State of California - The Resources Agency
DEPARTMENT OF FISH AND GAME
http://www.dfg.ca.gov

830 S Street
Sacramento, CA 95814
(916) 327-8849

GRAY DAVIS, *Governor*

March 14, 2003

To All Parties Interested in Fishery Restoration Work:

I am pleased to provide the attached Fisheries Restoration Grant Program 2003-2004 Solicitation. In this document, you will find information that will assist you in preparing and submitting fisheries restoration project proposals. This document includes the deadlines and format required when submitting proposals, the process used by the Department of Fish and Game in evaluating proposals, and prospective sources for project funding.

In order to be considered for the 2003/2004 funding, proposals submitted by mail must have a U.S. POSTAL SERVICE POSTMARK no later than May 9, 2003. Proposals delivered by any other means (FEDEX, U.P.S., electronically, etc.), including hand delivery, must be delivered not later than May 9, 2003, at 3:00 p.m.

This document has evolved over the years. Please be sure to review the attached information carefully, as there have been a number of significant changes. In recognition of the need to respond to questions and to help guide the preparation for sound restoration proposals, the Department has scheduled the following workshops for your assistance:

San Luis Obispo, Wednesday, April 2, 2003, 9:00 am to noon
California Conservation Corps
Camp San Luis Obispo
San Luis Obispo, CA

Camarillo, Friday, April 4, 2003, 9:00 am to noon
California Conservation Corps
On the California State University Channel Island Campus
at the corner of Santa Barbara Avenue and Ventura Street
Camarillo, CA 93010

Santa Barbara, Saturday, April 5, 2003, 9:00 am to noon
Santa Barbara County Board of Supervisors Hearing Room
County Administration Building, Fourth Floor
105 East Anapamu Street
Santa Barbara, CA 93101

Santa Cruz, Wednesday, April 9, 2003, 6:00 pm to 8:00 pm
County Building
Chambers of the County Board Of Supervisors
701 Ocean Street
Santa Cruz, CA 95060

Petaluma, Monday, April 14, 2003, 9:00 am to noon
Petaluma Community Center
320 N. McDowell Blvd
Petaluma, CA 94954

Ukiah, Tuesday, April 15, 2003, 9:30 am to noon
California Conservation Corps
2600 Eastside Road
Ukiah, CA 95482

Fortuna, Wednesday, April 16, 2003, 9:30 am to noon
California Conservation Corps
1500 Alamar Road
Fortuna, CA 95540

Yreka, Friday, April 18, 2003, 1:00 pm to 4:00 pm
Yreka Community Center
810 North Oregon Street
Yreka, CA 96097

At these workshops, Department staff will be available to discuss contracting procedures, funding criteria within the various restoration funds, biological issues, restoration techniques, and address your questions and concerns. We encourage you to contact local Department staff early in the proposal development process.

For further information, you may contact Ms. Helen Birss at (916) 327-8842, or Ms. Kimberly Karcher at (916) 327-8849.

Sincerely,

Larry Week, Chief
Native Anadromous Fish and Watershed Branch

Enclosure

Fisheries Restoration Grant Program
2003 Proposal Solicitation Notice
March 14, 2003

Introduction
The Department of Fish and Game (DFG) Fisheries Restoration Grant Program (FRGP) is requesting proposals for watershed restoration work throughout California. The objective of this Proposal Solicitation Notice (Solicitation) is to solicit and fund projects that are consistent with the goal of salmon and steelhead trout conservation and restoration. The FRGP is accepting proposals in two geographic areas; Coastal drainages, and Central Valley drainages.

Proposal Due Date
In order to be considered for 2003/2004 funding, all proposals submitted by mail must have a U.S. Postal Service postmark no later than **May 9, 2003.** Proposals delivered by any other means (FEDEX, U.P.S., etc.), including hand-delivery in person, must be delivered no later than **May 9, 2003, at 3:00 p.m.** to the Native Anadromous Fish and Watershed Branch staff at the exact location described below, or they will be rejected. You must provide 15 copies of each proposal.

For Mailing or Hand Delivery:
Grant Proposals
CA Department of Fish and Game
Native Anadromous Fish and Watershed Branch
830 S Street
Sacramento, CA 95814

In addition to the required hard copies, an electronic copy of your proposal may be submitted to kkarcher@dfg.ca.gov.

Eligibility Criteria
Any private or public entity with an interest in salmon and steelhead trout conservation and restoration may apply. This includes, but is not limited to (1) Public agencies, (2) Non-profit organizations, (3) Private enterprises, and (4) Indian tribes.

General Guidelines
Please read this Solicitation document carefully. It is a legal document. Proposals submitted must be in full compliance with all stated requirements in this Solicitation.

Forms used in this Solicitation can be found and downloaded in MS Word or PDF format on the internet at www.dfg.ca.gov/nafwb/fishgrant.html. The Application Form (Appendix A), must be submitted in hard copy with all other elements of the proposal package. In addition to the required hard copies, the Application Form can also be submitted electronically to expedite data input into our grants database.

Proposal sponsors are encouraged to work closely with local DFG fishery biologists and fish habitat specialists in the planning and development of proposals, well in advance of proposal deadlines to allow time to evaluate site conditions. See Appendix C for a list of DFG contacts.

Funding for proposals submitted under this Solicitation are subject to availability of funds and approval of the Budget Act for 2003/2004 Fiscal Year.

Project Types
The proposal application must identify the project type that describes the proposed project. DFG has developed a two-letter coding system for various types of projects. A list of these two-letter codes is shown below and described in more detail in Section III (pages 8-16); the codes are used throughout this Solicitation to represent restoration project types.

Funding for anadromous fish restoration work in Coastal Drainages (outside the Central Valley drainage) is limited to the project types indicated below. Funding for anadromous fish restoration work in the Central Valley is limited to the four project types indicated below. Specific details, requirements, and funding for each are explained later in this document.

Coastal Drainages
- AC AmeriCorps Program only
- CC California Conservation Corps only
- CF CA Forest Improvement Program
- ED Public School Watershed and Fishery Conservation Education Projects
- FL Fish Ladder
- HA Habitat Acquisition and Conservation Easements
- HB Instream Barrier Modification
- HI Instream Habitat Restoration
- HR Riparian Restoration
- HS Instream Bank Stabilization
- HU Watershed Restoration (Upslope)
- MD Monitoring Projects (Data)
- MO Project Monitoring Following Project Completion
- OR Watershed Organization Support and Assistance
- PL Watershed Evaluation, Assessment, and Planning
- PM Project Maintenance
- RE Cooperative Rearing
- SC Fish screening of Diversions
- TE Private Sector Technical Training and Education Project Grants
- TW Tailwater Management
- WC Water Conservation Measures (Ditch Lining, Piping, Stock Water Systems)
- WD Water Measuring Devices (Instream and Water Diversion)
- WP Water Purchase

Central Valley
- ED Public School Watershed and Fishery Conservation Education Projects
- HI Instream Habitat Restoration
- PM Project Maintenance
- RE Cooperative Rearing

SECTION I

APPLICATION PROCEDURES

In order to be considered for 2003/2004 funding, all proposals must follow the guidelines given below and must be postmarked by the U.S. Postal Service or received at the NAFWB office no later than **May 9, 2003 at 3:00 p.m.** You must meet the conditions below and refer to Appendices A and B for all application requirements and examples. Failure to follow these conditions will result in your application being rejected. A complete proposal package will include:

- A completed Application Form. An application form and instructions for filling out this application form is provided in this Solicitation package (Appendix A or available on-line at www.dfg.ca.gov/nafwb/fishgrant.shtml). Your Federal Taxpayer Identification number must be provided on the application form.
- A complete budget. See the budget form in Appendix B.
- Supporting material such as land access agreements, maps, pictures, and drawings. Please refer to the description of the project type for any additional required supporting materials.
- Grantees or contractors who have not previously contracted with the Department of Fish and Game will be required to complete a form STD. 204, Payee Data Record (Appendix B).

In preparing a proposal, please pay particular attention to the following:

1. A separate proposal must be submitted for each identified project site and work type, accepting proposals for educational programs, private sector technical training, watershed organizational support or planning proposals as addressed under appropriate sections of this Solicitation. A work site is an easily definable geographic area on a physically similar section of a stream or drainage, such as a watershed planning area. Project types are defined in Section III. Similar kinds of work in a limited geographical area, such as several boulder weirs and cover log structures in a limited reach of stream, or non-contiguous road decommissioning in a watershed, could be covered in one proposal.

2. Project proposals must include specific descriptions of each proposed activity, including detailed costs of each proposed activity. Descriptions must be sufficiently detailed to allow DFG to write a contract with quantifiable objectives and to make a cost analysis of each element of the proposed project.

3. The proposal budget (see example in Appendix B) must specify the source and dollar amount of any proposed cost-share.

   Project proposals must provide information specifically identifying any funding match requirements from a federal source or other entity. A proposal failing to comply may be considered non-responsive.

4. Proposed projects for any on-the-ground work must be submitted with written consent documents signed by landowners or authorized land managing authorities. Consent documents must include statements that landowners: 1) are aware of the proposed project; 2) give consent for pre-project evaluation; and 3) give provisional consent for the contractor to complete the proposed project. Documents must also provide for reasonable access by DFG or its agents for project implementation, inspection, maintenance, monitoring, and post-project evaluation for a period of up to 10 years following completion of the project (see example agreement Page B2, and sample "Upslope Erosion Control Project Agreement" form, Page B5).

5. In addition to a project consent document, proposals for fencing projects will not be considered unless they are accompanied by documents, signed by the landowners or authorized land managing authorities, indicating willingness to:

a. maintain integrity of the fenced area by either the contractor or the landowner;

b. negotiate a riparian area management plan containing provisions for control of livestock use in the fenced area for a 10-year period following completion of the project, to allow riparian vegetation to recover;

Accessibility and intended use of lands enclosed by fencing projects will be important factors in rating proposed fencing projects. A sample Riparian Area Management Plan Landowner Agreement is included with the project proposal example provided in this information packet (Page B8).

6. A legible 8.5 x 11" photocopy of original U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle (quad) (or equivalent) maps centered on work sites must be provided for all upslope, instream, riparian, project monitoring, and project maintenance proposals. Planning proposals must also include a map, but may substitute a legible 8.5 x 11" photocopy of original appropriately scaled USGS (or equivalent) contoured topographic map, that shows the watershed boundary. If a work site is near the edge or corner of a quad, and USGS quad maps are being used, adjacent quads must be spliced together before the photocopy is made. Please identify all maps by name or reference number. Each work site occupying less than 100 feet along a stream must be labeled, with an arrow pointing to the site. Work sites occupying more than 100 feet of stream or roads, or other upslope activities must be delimited with a label plus an arrow marked "U" pointing at the upstream end of the site, and an arrow marked "D" pointing at the downstream end. Maps must also be labeled with project title, contractor name, USGS quad name, and stream name, and be positioned so that relevant map information such as stream names, towns, main roads, water bodies, etc., are not obscured. Refer to the example map copy provided with the sample project proposal for acceptable format. All proposals for habitat restoration, <u>which includes upslope restoration</u>, must also include a detailed plan-view diagram with scale (example Page B9) depicting all pertinent features of the project site, and showing the stream channel or other area of work, structure locations, revegetation areas, distance to each project structure from a reference point, and other significant project and existing features. HU projects may use “typical” drawings if multiple similar physical improvements are proposed. ED proposals do not need to include maps for each school.

7. If administrative overhead costs exceed ten percent of total costs of all other aspects of a proposal, a separate sheet detailing these overhead costs must be attached and submitted with the proposal. Please be advised that when contracts are audited all overhead costs must be justified by detailed accounting records or they will be disallowed.

8. Proposals must use a 10 point standard font (such as Arial or Times New Roman on a computer), on plain white paper. Proposal text and graphics must be in black and white and be confined to only one side of each plain-paper page. Do not bind proposals in plastic, cover stock, folders or any other binding. Simply staple each plain-paper proposal copy once in the upper left corner. Handling bound proposals delays proposal processing. Your proposal will be rejected if you do not follow these formatting requirements. You must provide <u>15 copies</u> of each proposal submitted, with the Summary Sheet being the first page of your proposal. If you have letterhead stationery, please use it only on the transmittal letter for the package. Do not include letters of support or recommendation with your proposal package, and do not include originals of photographs.

9. All nonprofit and private entity sponsors must submit a completed *Environmental Project Questionnaire* with each proposal. A blank Environmental Project Questionnaire form is included with this document (in Appendix B). Compliance with the CEQA, ESA and CESA will be required if a proposal is funded. The Environmental Questionnaire is included in this packet to help guide the applicant in developing a complete proposal. It is the applicant’s responsibility to develop project proposals that will avoid significant environmental impacts. We strongly urge you to work

closely with appropriate DFG regional biological staff as you complete this form to make certain that you address all potential environmental concerns that may be associated with your proposed project.

10. Most public agencies (except for CCC) and Indian tribes receiving grant funds will be expected to act as lead agency for CEQA, ESA, and CESA. Compliance with these laws will be required before the disbursement of any funds. Public agencies and Indian tribes are strongly urged to work closely with appropriate DFG regional biological staff to make certain that you address all potential environmental concerns that may be associated with your proposed project. Addresses and telephone numbers of DFG personnel are included in Appendix C.

11. Proposals will not be accepted that are mitigation measures specifically required as a condition of approval for California Environmental Quality Act (CEQA) documents or otheroise legally required as mitigation for other projects (Fish and Game Code, Section 6923). Proposals may be submitted if there is a CEQA document and the proposal is not a specific mitigation measure required as a condition of a permit. Project proposals must include sufficient information for DFG to determine that the project is not required as a mitigation measure as described above. It is recommended that any applicable copy of an approved or certified CEQA document be attached to the project proposal. CEQA documents include Environmental Impact Reports, Mitigated Negative Declarations and CEQA functional equivalent documents such as Timber Harvesting Plans, Non-industrial Timber Management Plans, and Sustained Yield Plans.

12. Please submit fifteen (15) copies of each proposal to:

    For Mailing or Hand Delivery:
    Grant Proposals
    CA Department of Fish and Game
    Native Anadromous Fish and Watershed Branch
    830 S Street
    Sacramento, CA 95814

All proposals must be postmarked by the U.S. Postal Service or received in this office no later than **May 9, 2003 at 3:00 p.m.** Proposals received after this date and time at the office location above will not be accepted.

In addition to the required hard copies, an electronic copy of your proposal may be submitted to kkarcher@dfg.ca.gov.

SECTION II

IMPORTANT PROVISIONS FOR ALL PROJECT PROPOSALS

1. Project proposals must include a detailed description of the problem or issue to be addressed, how each proposed action will address the problem(s) or issue(s), and the expected results. There must also be a clear and understandable link between proposals and current or historical problems.

   Descriptions must be sufficiently detailed regarding overall work proposed, and may include copies of photographs of the existing conditions from fixed photo point(s), and costs of each proposed work element, in order for DFG to: 1) write a grant/contract with measurable and quantifiable objectives, and 2) perform a cost analysis of proposed work during the proposal evaluation process. In addition, include expected quantitative results and the overall impacts to the habitat, such as road length treated/assessed (distance in miles), stream crossings treated (number), and stream length treated/assessed/made more accessible (distance in feet). (see Appendix A Section 5)

2. DFG has developed project categories and some standard costs based on past experience in development of fish habitat restoration and upslope projects. These standard costs will be an important element in evaluating and rating these projects. These standardized costs are shown in Appendix B. Higher than standard costs will be considered only if adequate justification is provided.

   Cost analysis of the proposed project will include all project costs. Total project cost used in the analysis will include the total amount requested from available funds under this Solicitation and any cash or in-kind cost share from any other funding source.

   DFG recognizes that watershed restoration or watershed planning proposals, as well as some proposals for instream habitat restoration on larger streams, or in areas with poor access, may have no cost standard established or may exceed cost standards. These projects will require a greater level of project description and will be judged based on costs for similar projects that have been implemented as well as on assessment of proposed costs by fishery and fish habitat restoration staff. Project descriptions must include details of project design and costs of labor, material, and equipment for each project element. As examples: 1) instream structure proposals must specifically define each proposed structure, its complexity, and the materials, labor, and other costs for completing the structure; 2) vegetation restoration projects must describe plant species, number of plants, and the area (in square feet or acres) covered; 3) fencing projects must include linear feet of fence and the type of fencing material proposed; 4) road decommissioning or improvement projects must include estimates of sediment that would be prevented from entering the stream system; 5) road assessment must justify cost per mile by explaining difficulty of assessment; and 6) bioengineering projects must define linear feet of bank stabilized and riparian species planted.

3. Under the Fisheries Restoration Grant Program, DFG policy does not normally allow for purchases of equipment. However, under certain circumstances and with adequate justification, the Department may approve the purchase of equipment. Any equipment approved under this Solicitation shall remain the property of the State of California. Final disposition of equipment purchased under a grant or contract shall be at the State's discretion. For granting or contracting purposes, equipment is defined as all moveable articles of non-expendable property which have: 1) a normal useful life, including extended life due to repairs, of four (4) years or more; 2) an identity which does not change with use, i.e., it is not consumed by use or converted by fabrication into some other form of property; 3) unit cost of $500.00 or more; and 4) are to be used to conduct business in accordance with the agreement.

4. Klamath River Basin Proposals - Proposals for restoration activities in the Klamath River Basin (excluding the Trinity River Basin) must be clearly identified as such by checking box in Section 1 of the Proposal Application. This requirement is necessary to ensure that State funds expended for salmon and steelhead restoration in this basin may be accounted for separately and applied as part of the State match of Federal funds expended, as required under Federal law. Identify your proposal location by indicating "Yes" or "No" in the appropriate Summary Sheet item. For further details concerning proposals for work in this geographic area, contact Mr. Neil Manji (530-225-2306).

5. Trinity River Basin Proposals - Proposals for restoration activities in the Trinity River Basin (from its confluence with Klamath River up to Lewiston Dam) must also be clearly identified as such by checking box in Section 1 of the Proposal Application. This requirement is necessary to ensure that State funds expended for salmon and steelhead restoration in this basin may be accounted for separately and applied as part of the State match of Federal funds expended, as required under Federal law. Identify your proposal location by indicating "Yes" or "No" in the appropriate Summary Sheet item.

6. All funded proposals must comply with the California Environmental Quality Act (CEQA), the federal Endangered Species Act (ESA) of 1973, and the California Endangered Species Act (CESA). Most public agencies (except for CCC) and Indian tribes receiving grant funds will be expected to act as lead agency for CEQA, ESA, and CESA. Compliance with these laws will be required before the disbursement of any funds. For nonprofit and private entities receiving funds, DFG will act as lead agency for CEQA, ESA, and CESA compliance. However, it is the applicant's responsibility to develop project proposals that will avoid significant environmental impacts. This includes budgeting sufficient time and/or funds in your proposal for any threatened and endangered species surveys and mitigation that may be needed to complete your proposed project. All applicants are strongly urged to work closely with appropriate DFG staff to make certain that you address all potential environmental concerns that may be associated with your proposed project. Addresses and telephone numbers of DFG personnel are included in Appendix C.

SECTION III

PROPOSAL PROJECT TYPES AND SUBJECT AREAS

Salmon Habitat Protection and Restoration

NOTE: Proposals for instream habitat, watershed habitat, or riparian habitat restoration proposals must include a description of current and anticipated land-use in areas potentially affecting the project site for the five-year period that begins with the year in which the project is proposed for implementation. DFG fisheries personnel assigned to evaluate projects will consider current and anticipated land use when evaluating biological soundness of these projects. Instream habitat, watershed habitat, or riparian habitat restoration proposals lacking a written description of current and anticipated land use activities will be removed from funding consideration. In ALL areas where ANY on-the-ground work is proposed, permission for work to be done, in the form of signed written commitments, must be obtained from landowners. Landowners must demonstrate a willingness to cooperate and participate in the watershed restoration project, and allow DFG and its agents access to project sites for project monitoring and evaluation for a period of up to10 years following the date of project completion. Examples are included in Appendix B.

Habitat Acquisition and Conservation Easements (HA)

Grants will allow the acquisition of conservation easements or fee title to riparian buffer strips along coastal rivers and streams to protect key salmon and steelhead habitat. Applicants for acquisition funding for conservation easements or fee title of riparian buffer strips must submit the following information so the proposal can be properly evaluated:

A. Type of acquisition (conservation easement or fee title) and evidence of the owner's willingness to sell. Only acquisitions for which there is a willing seller will be considered.

B. Regional Assessor's and site-specific maps showing the location and boundaries of the subject property.

C. The current owner, address, legal description and assessor's parcel number(s) of the subject property.

D Photographs of the subject property.

E. A copy of the conservation easement, appraisal, deed, acquisition agreement or other document that demonstrates the applicants ownership or right to acquire the interest being proposed and a valuation of the acquisition, including a description of the basis for that valuation, along with a supporting resolution of the applicant's governing body.

F. A detailed narrative describing the subject property, how the acquisition will protect and enhance anadromous salmonid habitat on the subject property, and how any potential adverse impacts from surrounding land uses will be prevented. For fee title acquisitions, the narrative must also describe how, and over what time-period, the habitat protection and enhancement on the property will be assured.

G. Any known title restrictions or encumbrances that could adversely affect the proposed use; any permits or approvals from private parties or governmental authorities required for the acquisition; and any significant legal issues associated with the acquisition.

H. Any known or suspected hazardous substances that could adversely affect the subject property.

I. A narrative describing how the property will be managed and maintained (including who will be responsible, anticipated costs and funding sources) and whether or not public access will be provided.

J. A description of existing baseline information, what baseline information will be established (including who will be responsible, anticipated costs and funding sources), as well as who will hold, monitor and enforce the easement (including anticipated costs and funding sources).

K. A detailed project budget estimate reflecting all costs associated with the project and specifically designating costs to be covered by the grant request and costs to be covered by other sources (match or cost-share). The budget should quantify acquisition costs such as: preliminary title reports, appraisals, negotiations, escrow, etc.

Prior to review by the California Coastal Salmonid Peer Review Committee (PRC), a full narrative appraisal of the proposed interest (conservation easement or fee title), prepared pursuant to the "Uniform Standards for Professional Appraisal Practices," current edition, of the Appraisal Standards Board will be required. The grant award shall be considered conditional, contingent upon an appraisal that is acceptable to DFG. All real property shall be acquired from a willing seller and in compliance with current laws governing relocation and acquisition of real property by public agencies. Disbursement of grant funds may be subject to prior approval of fair market value by the State Department of General Services. The conservation easement must name the State of California, Department of Fish and Game (DFG), or its designee, as an express third party beneficiary entitled to all of the rights and remedies of the easement holder under the easement, and provide that if the easement holder dissolves or elects to transfer the easement, its interest shall be transferred to DFG, or its designee, if DFG elects. Copies of all baseline information, reports and notices pursuant to or in connection with the conservation easement must be provided to DFG. No amendment or modification of the conservation easement shall be effective unless approved in writing by DFG. Proposals will be evaluated using criteria in Appendix D.

Instream Barrier Modification (HB (stream crossings) and FL)

Work in these categories is specifically limited to barriers to migration or emigration. Proposals will be evaluated using evaluation criteria in Appendix D. This project type does not include pre-project planning. Proposals for pre-project planning and development should be submitted under (PL) Watershed Evaluation, Assessment, and Planning.

Instream Habitat Restoration (HI-HS-HB (except stream crossings) and CF)

These categories are limited to work specifically in the stream channel (bankfull). It is recommended that proposals under these categories include the baseline data discussed in Parts II, and III, of the *California Salmonid Stream Habitat Restoration Manual, 3rd edition (California Department of Fish and Game).* Proposals will be evaluated using evaluation criteria in Appendix D.

Watershed and Riparian Habitat Restoration (HU-HR-CF)

Work under these categories include riparian and upslope restoration. Sponsors of watershed restoration proposals may, in lieu of the detailed description of past and anticipated land use, submit a DFG accepted watershed plan that describes past and anticipated land use. DFG fisheries specialists assigned to evaluate projects will consider current and anticipated land use when evaluating biological soundness of projects. Proposals will be evaluated using evaluation criteria in Appendix D. Additional guidelines for watershed restoration projects include:

A. A separate proposal for each watershed restoration project. Each proposal must demonstrate how the project would be instrumental in restoring the natural function of the watershed. Sub-drainages within a hydrologic basin that are not contiguous may be submitted under a single watershed restoration project proposal if restoration of these non-contiguous sub-drainages will, in conjunction with other restoration being undertaken in the hydrologic basin, or on its own, correct the major problems affecting anadromous salmonids in the entire hydrologic basin.

B. Upslope restoration work that is beyond the riparian area must focus on correction of major problems affecting the watershed. Evaluators of proposals will determine whether proposed watershed work is likely to correct "keystone limiting factor" problems that must be corrected before other restorative measures can be implemented with a significant probability of success.

C. During the evaluation process, watershed restoration proposals will be given additional points for correction of "keystone limiting factor" and other problems in accordance with a DFG accepted watershed restoration plan for the hydrologic basin or planning watershed.

D. For upslope erosion control projects (HU), a signed written project agreement must be provided by the contractor from the landowner who will allow DFG and its agents access to project sites for maintenance, inspection, and monitoring for a period of up to10 years following the date of project completion. A sample "Upslope Erosion Control Project Agreement" form is provided in Appendix B.

E. For riparian restoration projects (HR), that include fencing, a written project agreement must be provided by the contractor from the landowner stating the intent of the contractor or landowner to maintain the fence for a period of 10 years following the date of project completion. A sample "Riparian Area Management Plan Landowner Agreement" form is provided in Appendix B.

Project Maintenance Following Project Implementation (PM)

Proposals for project maintenance must describe maintenance needs and proposed corrective actions. The proposal should give a concise description of the original project implementation including prescriptions, techniques and protocols used. Include the time period the subject project was implemented, the original and current cooperators, any changes in land ownership, and any changes in land use. Proposed maintenance projects must also include preparation of a report describing why there is a need for the maintenance proposed and how the maintenance work will provide long-term benefits to anadromous salmonids. Proposals will be evaluated using criteria in Appendix D.

Fish Screening of Diversions (SC)

This category is specifically limited to screening projects. All proposals for screens must meet DFG and NMFS screening criteria found in the *California Salmonid Stream Habitat Restoration Manual, Appendix S*. Headgates and water measuring devices must be incorporated in these projects. Proposals will be evaluated using evaluation criteria in Appendix D.

Tailwater Management (TW)

Addition of irrigation tailwater into streams may reduce water quality by increasing temperature and nutrient loading. Projects must either reduce tailwater generation through improved irrigation systems or assist in recovery and reuse of tailwater. Proposals will be evaluated using criteria in Appendix D.

Water Conservation Measures (Ditch Lining, Piping, Stock Water Systems) (WC)

Projects will only be accepted in this category that provide more efficient use of water extracted from stream systems. For large projects, a groundwater/surface flow connectivity study should be included as a preliminary feature of the project. Water saved by these projects must be left in the stream for fish benefits. Ditch lining, piping, stock-water systems, and inline reservoirs are included in this category. Proposals will be evaluated using criteria in Appendix D.

Water Measuring Devices (Instream and Water Diversion) (WD)

Projects to install and maintain instream and water diversion measuring devices are requested. The instream gages will be positioned to track mainstem flows as well as tributaries that contribute flows for fish recovery. Water diversion gages will be installed in conjunction with fish screens and projects in the WC and WP categories. Proposals will be evaluated using criteria in Appendix D.

Water Purchase (WP)

Water purchase includes the purchase or acquisition of water rights, both short- and long-term that will protect and improve water quality and quantity. This category includes water conservation purchases, or leases that will result in quantifiable amounts of water being made available in streams for fish use. Proposals for water conservation purchases or leases must describe the mechanism that would be used to track downstream travel of water purchased or leased. Proposals applying for funding for water conservation purchases or leases must include the following information so they can be properly evaluated:

A. Type of acquisition and evidence of the owner's willingness to sell. Only acquisitions for which there is a willing seller will be considered.

B. A narrative describing who will manage the acquisition, how the acquisition will be managed, and how the water rights purchase, lease, or easement will protect and enhance salmon habitat.

C. A narrative describing current use, diversion, basis for determining the amount of flow available, and how the proposed additional flow will be measured. Describe any facilities that may require removal or renovation for flows to enter the stream.

D. A survey of surrounding landowners and downstream users and a narrative describing how the water rights purchase or lease will impact downstream users, and how surrounding land use and downstream impacts will be mitigated. Also include any rights or claims downstream users may have to flow. If the proposal is based on cooperative lease or purchase agreements, a list of project cooperators must be provided.

E. A copy of the fee title appropriated or adjudicated water ownership title, deed, or other document that demonstrates the validity of ownership for the water right(s) being proposed; and a valuation, including a description of the basis for that valuation.

F. Maps and photographs showing the location and extent (beginning and end) of the entitled water rights purchase or lease.

G. A narrative of who will hold and monitor the water rights purchase or lease, establish baseline information, and maintain monitoring records.

H. A detailed project budget estimate reflecting all costs associated with the project and specifically designating costs to be covered by the grant request and costs to be covered

by other sources (match or cost-share). The budget should quantify acquisition costs such as: preliminary title reports, appraisals, negotiations, escrow, etc.

Upon approval of the proposed grant request, an appraisal of the proposed interest will be required. The grant award shall be considered conditional, contingent upon an appraisal that is acceptable to DFG. All real property shall be acquired from a willing seller and in compliance with current laws governing relocation and acquisition of real property by public agencies. Disbursement of grant funds may be subject to prior approval of fair market value by the State Department of General Services. The acquisition must name the State of California, Department of Fish and Game (DFG), or its designee, as an express third party beneficiary entitled to all of the rights and remedies of the easement holder under the easement, and provide that if the property holder dissolves or elects to transfer the ownership, its interest shall be transferred to DFG, or its designee, if DFG elects. Copies of all baseline information, reports and notices pursuant to or in connection with the acquisition must be provided to DFG. No amendment or modification of the acquisition shall be effective unless approved in writing by DFG. Proposals will be evaluated using criteria in Appendix D.

Cooperative Rearing and Restoration Support

California Forest Improvement Program (CFIP) (CF)

For purposes of this Solicitation, a CFIP project is defined as a salmon or steelhead habitat restoration project that meets eligibility criteria under California Department of Forestry and Fire Protection (CDF) CFIP guidelines. Contact your local CDF office for detailed information concerning CFIP guidelines.

DFG will not process CFIP proposals unless accompanied by written certification from CDF that the proposed project meets all applicable CFIP eligibility criteria**.** CFIP proposals will be evaluated and ranked using the criteria for instream habitat restoration projects or watershed restoration projects (see Appendix D).

Public School Watershed and Fishery Conservation Education Projects (ED)

Grants will assist public school education programs with instruction in watershed and anadromous fishery conservation. Education materials should be developed using the National Project for Excellence in Environmental Education guidelines (http://www.naaee.org/npeee/materials_guidelines/). Education proposals must teach or use DFG acceptable methods and correspond to current California Department of Education Content Standards http://www.cde.ca.gov/standards/ (and/or National Science Content Standards (http://nap.edu/readingroom/books/nses/).

Acceptable methods include a detailed outline of curriculum concepts to be taught at specific grade level. This should include an emphasis on curricular activities that address conditions of the local watershed and promote personal responsibility for watershed stewardship. An overarching goal is to have students, families and communities understand the nature of the salmonid resource and the effects of their own and others' actions. The number of persons trained (e.g. students taught) should be identified.

Education proposals must include, and grant/contracts will require, an evaluation plan that will be used to evaluate the program's effectiveness in meeting specific objectives for both teachers and students. Describe in some detail how gains in student knowledge are to be measured. Describe also how the teacher will be able to demonstrate whether the project has met their expectations, and will be able to make programmatic recommendations that may impact design of future projects. This evaluation plan must provide the means to measure the project's success, such as pre- and post-testing, performance standards, or an assessment rubric. It is mandatory that the successful grant recipient submit the results and analysis of their evaluation within a final report at the end of the project period. Proposals will be evaluated using criteria in Appendix D.

Monitoring Projects (MD & MO below)

NOTE: For all Monitoring Projects described below, DFG is currently developing and field testing a suite of standardized protocols for effectiveness and validation monitoring of salmonid habitat restoration projects. Interim protocols currently exist for riparian, instream habitat and upland erosion control projects. Proposals are solicited from qualified contractors to apply these interim protocols to proposed restoration projects in coastal California watersheds. These proposals will be evaluated based on their contribution to the DFG's protocol development process, and usefulness of data for subsequent post-project effectiveness and validation monitoring in different regions of coastal California. Proposers should demonstrate competence and understanding of the monitoring approaches (see http://www.dfg.ca.gov/nafwb/fishgrant.shtml for protocol descriptions). Successful contractors will be provided training in the use of these protocols in the spring of 2004. They will be expected to collect field data using approved forms and enter the data into an electronic database system.

Monitoring Projects (MD) (Data)

Monitoring projects include, but are not limited to, establishing baseline anadromous salmonid habitat and population conditions and monitoring their status and trends in response to watershed restoration treatments and actions. Monitoring may also include appropriate assessment sampling to periodically assess overall habitat and population condition at appropriate regional scales. Proposals for monitoring must use protocols approved by DFG and NMFS that will provide baseline and/or trend data for anadromous fish populations, other instream organisms, or physical factors known to limit their distribution, abundance, and/or survival.

Applicants must demonstrate qualifications for conducting proposed monitoring projects. Proposals will be evaluated using criteria in Appendix D. All persons interested in submitting proposals in this category should contact Barry Collins at 707-725-1068.

Project Monitoring Following Project Completion (MO)

Proposals for project monitoring are limited to monitoring of completed restoration projects. These effectiveness monitoring proposals must address physical effects of completed restoration treatments and should, when possible, include appropriate measurements describing project implementation and environmental conditions immediately following completion of the restoration treatment. Monitoring may also include elements for the assessment of biological effects of completed projects. Proposals should include a long-term plan for conducting extended monitoring based upon DFG's initial grant support. Applicants must demonstrate qualifications for conducting the proposed monitoring project. Project monitoring work must also include a report containing data, results, discussion, and recommendations that will assist DFG and the restoration community in selecting the best projects for future implementation. Proposals will be evaluated using criteria in Appendix D. All persons interested in submitting proposals in this category should contact Barry Collins at 707-725-1068.

Watershed Organization Support and Assistance (OR) and Public Involvement and Capacity Building (PI)

Grants will assist locally based organizations that generate public and landowner support for anadromous salmonid habitat restoration of local watersheds. Priority will be given to groups focusing on areas with no previous watershed organization effort.

Proposals for Watershed Organization Support (OR) may be from existing or proposed nonprofit, local watershed restoration organizations, or from any public entity, such as a Resource Conservation District (RCD), that assists locally based watershed restoration.

Proposals for Public Involvement and Capacity Building (PI) within regional/county efforts (e.g. Fish Net 4C, 5 Northern County Group and south central and southern groups) must be directed towards salmon and steelhead habitat restoration efforts. All proposals should include, and contracts will require, measurable and quantifiable tasks. For example, "The contractor will work with the Goober Creek Watershed Council to develop local landowner support for the restoration of salmon and anadromous trout habitat in Goober Creek watershed, and will organize and facilitate at least ____ meetings within the Goober Creek Watershed which is comprised of approximately ___ people. These meetings will provide interested watershed landowners with information on ways they can become involved in watershed efforts for improving salmon and steelhead habitat." The foregoing is an extremely BRIEF descriptive example. Actual proposals must be much more thorough and detailed to be considered for funding.

All proposals from existing groups must include, a status report indicating the groups past performance that will be used to evaluate the group's effectiveness. This status report should describe the process with which the group has achieved its past measurable and quantifiable tasks and how the group's efforts have resulted or will result in on-the-ground restoration efforts. Proposals will be evaluated using criteria in Appendix D.

Watershed Evaluation, Assessment, and Planning (PL)

For purposes of this Solicitation, a watershed may be as small as the smallest significant unit contained within a distinct hydrologic basin or as large as an entire hydrologic basin. A watershed that provides habitat for anadromous salmonids and is eligible for grant funding under this Solicitation is defined as:

> A common drainage area flowing to a larger stream or into the ocean of a stream inhabited now or in the past, individually or by any combination of: coho salmon, Chinook salmon, steelhead trout, or anadromous cutthroat trout.

Proposals in this category must describe a complete and detailed process of watershed evaluation and assessment that culminates in completion of an integrated plan containing site-specific and clearly prioritized recommendations for work that will lead to the restoration of salmon and anadromous trout habitats in a watershed. Both social and landscape elements associated with restoration of the watershed must be addressed. Proposals that do not address both of these elements will be removed from funding consideration. If evaluation and assessment work has already been completed to DFG satisfaction, the plan may include, or reference, already completed work to satisfy this element. Proposals must address how the project sponsor will obtain landowner support for all proposed activities requiring access to private land.

Proposals must provide sufficient detail to allow evaluators to assess whether resulting plans will be comprehensive and result in recommendations for meaningful improvements in the watershed. All proposals must include enough information to allow DFG to evaluate the proposal and write a grant or contract with quantifiable objectives for implementation and deliverable products.

Sponsors must include a qualifications statement of those proposing to undertake this work including their experience in watershed planning and habitat restoration. DFG seeks plans based on sound, acceptable techniques and analysis that can be used as the basis for determining the scope and priority of work needed for restoration of watersheds.

Watershed plans must contain the evaluation and assessment of physical characteristics of the watershed. However, these elements alone are insufficient to comprise a watershed plan. Watershed assessment and evaluation should be included as part of proposed work leading to production of a plan. For watersheds where this work has already been completed, previous evaluation and assessment work

must be referenced in the proposal. In either case, evaluators will determine acceptability of the proposed assessment element. Key factors in determining acceptability include whether proposed assessments use standard, valid techniques, and, whether information from prior work, which must be cited if used, is applicable.

Proposals for partial watershed assessment and evaluation such as road erosion surveys and stream surveys, must include reference to a documented plan calling for only the assessment and evaluation work, or must contain additional project proposal elements that will result in a complete watershed restoration plan. All partial assessment work proposed must be based on an already completed watershed planning document that is acceptable to DFG**.** Proposals to develop ranch implementation plans that will identify opportunities to increase anadromous salmonid populations may be included under watershed planning. These plans will cover specific ownerships or portions of a watershed that lend themselves to property specific planning.

Proposals for pre-project planning and development for instream barrier modification should reference a DFG or National Oceanic and Atmospheric Association (NOAA) accepted watershed plan, which specifically identifies barriers to salmon and steelhead migration or emigration and sets priorities for the watershed.

While a watershed restoration plan must include instream and riparian habitat restoration elements where appropriate, the major focus must be on upslope conditions beyond the riparian area, concentrating particularly on the description of, and recommendations for, correction of major watershed problems. Evaluators of proposals will determine whether recommendations of proposed plans are likely to result in steps that, when implemented, correct "keystone" factors or problems that must be corrected before other restorative measures affecting the watershed can be implemented successfully.

Planning work in sub-drainages within a hydrologic basin that are not contiguous may be submitted under a single watershed restoration planning project proposal if restoration of these non-contiguous sub-drainages will, in conjunction with other restoration being undertaken in the hydrologic basin, or on its own, correct the major problems affecting the entire hydrologic basin. Proposals will be evaluated using evaluation criteria in Appendix D.

Cooperative Fish Rearing (RE)

Cooperative fish rearing project proposals considered for funding from sources over which DFG has discretionary spending authority must meet all of the legal and policy requirements of the excerpted portions of the Fish and Game Code and Fish and Game Commission Policies that are presented in Appendix F. Examples include: 1) project proposals must document cash or in-kind cost share to meet the requirement of Fish and Game Code, Section 1204, below; and 2) no discretionary funds will be available for equipment or construction of rearing facilities, also in accordance with Section 1204. Projects recommended for funding by the Commercial Salmon Trollers Advisory Committee, must be in accordance with Fish and Game Code sections 7860-7863. Proposals for new rearing projects must include detailed justification for estimated production costs. These proposals must include a proposed Five-Year Management Plan that follows guidelines in “Cooperative Fish Production in California” (found in the *California Salmonid Stream Habitat Restoration Manual, Appendix B*), available from the Native Anadromous Fish and Watershed Branch at DFG Sacramento headquarters or in electronic format at the DFG Internet site (www.dfg.ca.gov/fishing/index.html). Proposals for established programs must have an approved Five-Year Management Plan. Proposals for continued operation of established programs must contain summaries of production costs for the past five years or for the life of the project if it has operated for less than five years. Proposals will be evaluated using criteria in Appendix D.

Private Sector Technical Training and Education Project Grants (TE)

Grants will be for support of private sector training and education in the field of anadromous salmonid habitat analysis and restoration. Proposals may include those for: 1) teaching private landowners about practical means of improving land and water management practices that, if implemented, will contribute to protection and restoration of salmon and anadromous trout stream habitat; 2) scholarship funding for attending workshops and conferences that teach restoration techniques; 3) operation of nonprofit restoration technical schools; and 4) production of restoration training and education workshops and conferences. Education proposals must include, and contracts will require, an evaluation plan that will be used to evaluate the program's effectiveness in meeting specific learning objectives for both teachers and students. This evaluation plan will provide the means to measure the project's success, such as pre- and post-testing or pre- and post-attendee surveys, performance standards, or an assessment rubric. Proposals will be evaluated using criteria in Appendix D.

APPENDIX A

Proposal Application Form (With Instructions)

All of the fields in the application form are required for all project types, except where only specific project types are noted. Any supplementary tables or images should be included at the end with the attachments. For forms and examples, please see Appendix B. An electronic version of the Application Form is available on-line at www.dfg.ca.gov/nafwb/fishgrant.shtml.

Section 1: Summary Information

1. Project type:
   Two-letter project code as described on pages 2 (Introduction) and 8-16 (Section III).
2. Project title:
   Brief, descriptive title. 100 character maximum.

3. Amount requested:
   Amount requested from DFG, from budget detail.
4. Total project cost:
   Sum of amount requested plus all matching funds and services, from budget detail.
5. Salmonid species benefited: Chinook ☐ Coho ☐ Steelhead ☐ Cutthroat ☐
   Select all salmonid species that will be benefited by the project.
6. Project summary:
   Summarize project objectives, tasks and expected results in a few sentences. 500 char. max.

7. Applicant name: Name of organization, company or agency applying for grant.
8. Contact person: Lead person to be contacted regarding project.
9. Address: Street or P.O. Box for mail.
10. City.
11. State.
12. ZIP.
13. Telephone number: Primary telephone number to reach contact person.
14. FAX number: Primary FAX number for contact person.
15. Email address.
16. Type: Public Agency ☐ Nonprofit Organization ☐ Private Enterprise ☐ Indian Tribe ☐
    Select one of the four applicant types.
17. OSBCR Certified Small Business? ☐
    If yes, specify the industry group and Small Business Reference Number:
    For more information, see www.smallbusiness.ca.gov/content/QualifyForPrograms.shtml.
18. Past contractor? ☐
    Has the applicant received restoration project grant funding from DFG in the past?
19. Federal taxpayer ID:
    For example, corporation or social security number.
20. Stream:
    Name all streams which will be directly affected by the project.
21. Tributary to:
    Name all streams directly downstream of the affected streams.
22. Major drainage system:
    Name all major watersheds (fourth field Hydrologic Units, for example South Fork Eel Watershed or Mad-Redwood Watershed) that will be directly affected by the project.
23. County(ies):
    Name all counties in which the project work will take place.
24. Within Coastal Zone? ☐ Within Trinity River basin? ☐ Within Klamath River basin? ☐
    Select all regions in which the project is located (if any). See page 7 (Section II).

Section 2: Location Information

1. Township, Range, Section:
   Please provide exact project location, using multiple coordinates if necessary.
2. Latitude, Longitude (in decimal degrees):
   Please provide exact project location, using multiple coordinates if necessary.
3. Location description:
   Provide a general description of the project location and the nature of the work site in relation to known landmarks, with reference to attached drawings and maps.

4. Directions:
   Provide driving directions to the project site, with needed landowner contacts and gate information.

Section 3: Watershed Information

1. Watershed name:
   Name major watershed(s) (fourth field Hydrologic Units, for example South Fork Eel Watershed or Mad-Redwood Watershed) affected by project.
2. Watershed area:
   Watershed area in square miles.
3. Watershed area included in this proposal:
   For OR, PI, and PL proposals, pages 13-15 (Section III).
4. Land use statement:
   Describe current and anticipated future (next 5 years) land uses in the watershed.

5. Watershed area ownership: % private: % state: % federal:
   Enter ownership percentages by type of ownership (for OR, PI and PL proposals, pages 13-15, Section III).
6. Watershed area with landowners supportive of proposal:
   For OR, PI, and PL proposals, pages 13-15 (Section III).
7. Watershed length of blue line streams:
   Length of blue line streams in the watershed, in miles (for OR, PI and PL proposals, pages 13-15, Section III).
8. Length of blue line streams affected by proposal:
   In miles (for OR, PI and PL proposals, pages 13-15, Section III).
9. Salmonids present:
   List all salmonids present in entire watershed (ie. chinook, coho, steelhead and cutthroat).

10. Source(s) of above information:
    List references for salmonids present.

11. Salmonids historically present:
    List all historically present in entire watershed (ie. chinook, coho, steelhead and cutthroat).

12. Source(s) of above information:
    List references for salmonids historically present.

13. Limiting factors to salmonids:
    List limiting factors in entire watershed. Select from list (page A12).

14. Source(s) of above information:
    List references supporting selected limiting factors.

Section 4: Project Objectives

1. Background and Need for project:
   Fully describe why the project is needed, with reference to local conditions, watershed plans, studies and other sources (page 6, Section II). Reference attached figures, tables, maps and photos if necessary.

2. Known limiting factors addressed by project:
   Select from list on page A12. Please write out limiting factors rather than just entering numbers from the list.

3. Limiting factor remediation:
   Describe how the project addresses the above limiting factors.

4. Additional objectives:
   Describe any additional objectives not described above.

Section 5: Project Tasks and Results

1. Detailed Project Tasks:
   Provide a detailed description of how the project will be accomplished by breaking the project into specific tasks with a detailed description of each task. Refer to attached figures, tables and maps as needed.

2. Time frame:
   Provide estimated timeline for project tasks (start and end dates).

3. DFG acceptable protocols used in project development and completion:
   - ☐ DFG Restoration Manual
     List:
   - ☐ DFG Monitoring Protocols
     List:
   - ☐ Fish, Farms and Forestry Coalition (FFFC) Draft Protocols
     List:
   - ☐ PWA Road Assessment
   - ☐ Star Worksheet Road Assessment
   - ☐ V-Star residual Pool Volume
   - ☐ Juvenile summer abundance estimation
   - ☐ Out-migrant trapping and efficiency
   - ☐ California Content Standards
   - ☐ National Science Content Standards

   Select all protocols used. See pages 8-16 (Section III). For DFG and FFFC protocols, also list the specific protocols used.

4. Other protocols:
   If protocols other that those in the list above were used, list the protocols and explain why they were used.

5. Deliverables:
   List and describe all reports, maps, databases and other products to be prepared and delivered to DFG.

6. Expected Quantitative Results:

a. Stream length treated/assessed/made more accessible (distance in feet):
For all instream assessment, habitat, passage and stabilization work (HI, HB, HS, FL, PL), pages 9 and 15 (Section III).

b. Instream habitat structures to be installed (number):
For instream habitat and stabilization work (HI, HS), page 9 (Section III).

c. Fencing length to be installed/repaired (distance in feet):
For fencing work (HR), page 9-10.

d. Road length treated/assessed (distance in miles):
For sediment source remediation work (HU, PL), pages 9, 10 and 15 (Section III).

e. Stream crossings treated (number):
Number of stream crossings installed, replaced, repaired or removed. For HU and HB proposals, Pages 9-10 (Section III).

f. Sediment prevented from entering the stream (volume in cubic yards):
For sediment source remediation work (HU, HR), pages 9-10 (Section III).

g. Trees planted (number):
For all riparian tree planting work (HR), pages 9-10 (Section III).

h. Area planted/preserved/assessed (area in acres):
For any project that occurs over an area (HA, HR, HU, PL), pages 8-10 and 14 (Section III).

i. Public meetings (number):
Number of public meetings planned. For OR and PI proposals, pages 13-14 (Section III).

j. Public meeting attendees (number):
For OR and PI proposals, pages 13-14 (Section III).

k. Students trained (number):
Estimated number of students to be trained. For ED and TE proposals, pages 12 and 16 (Section III).

l. Juvenile fish produced: released:
Numbers of fish. For RE proposals, page 15 (Section III).

7. Other products and results:
List and describe any other outcomes and results not described above.

8. Applicant's qualifications and experience:
Describe how you or your organization are qualified to perform the proposed work, based on your qualifications and experience.

Section 6: Landowners, Access and Permits

1. Landowners granting access for project (Please attach access agreements):
   List and reference attached access agreements. Also map ownerships on attached project maps and diagrams. See pages 3-4 (Section I) and sample forms on pages B2-B7.

2. Permits:
   List all government permits known to be needed to complete project.

3. Lead CEQA agency:
   Lead CEQA agency for project, page 7 (Section II).

4. Required mitigation? ☐
   Is the work in the proposed project required as mitigation pursuant to CEQA or other authority, page 5 (Section II)? Check if yes.

Section 7: Project Budget

1. Summary Project Costs (Please attach detailed budget):
   List all cash and in-kind funds that will be used in the project according to fund source. A detailed budget (including matching funds, as shown in the example and instructions on pages B10-B16) must also be attached. Example:

Sources of Funds	Cash	In-kind (if applicable)	Total
Fisheries Restoration Grant Program	$100,000		$100,000
Other State Agencies Name(s) and amount(s) of each: ie. State Agency X, $20,000 State Agency Y, $30,000	$50,000		$50,000
Federal Name(s) and amount(s) of each:			
Applicant		$2,000	$2,000
Other Sources Name(s) and amount(s) of each:			
Total	$150,000	$2,000	$152,000

2. Standardized Costs:
   List project cost rates for all tasks that exceed standardized cost rates provided, page B20.

3. Budget justification:
   If needed, explain any unusual cost items or costs exceeding any of the standardized cost rates, page B20.

Section 8: Supplemental or Specialized Information

In the following order, please attach the following required items, as appropriate to the project type:

☐ 1. Project budget according to the sample in the Solicitation. See examples and instructions on pages B10-B16. (ALL)
☐ 2. Plan view diagram. See example on page B9.
(CC, CF, FL, HB, HI, HR, HS, HU, MO, PM, SC, TW, WC, WD)
☐ 3. Project location topo map, 7.5 minute. See example on page B8.
(CC, CF, FL, HA, HB, HI, HR, HS, HU, MD, MO, PM, RE, SC, TE, TW, WC, WD, WP)
☐ 4. Watershed map. See Section III. (HU, MD, MO, OR, PI, PL, WP)
☐ 5. Landowner access agreements. See examples on pages B2-B7.
(All projects with on-the-ground work)
☐ 6. Project 10-year maintenance agreement. See examples on pages B3-B5. (HR, HU)
☐ 7. Written eligibility certification from CDF. See Section III. (CF)
☐ 8. Evaluation plan. See Section III (ED, TE)
☐ 9. Land acquisition/easement information. See pages 8-9, Section III. (HA)
☐ 10. Water purchase information. See pages 11-12, Section III. (WP)
☐ 11. Status report. See Section III. (OR, PI)
☐ 12. 5-year management plan. See page 10, Section III. (RE)
☐ 13. Environmental project questionnaire. See form on pages B17-B19.
(CC, CF, FL, HA, HB, HI, HR, HS, HU, MD, MO, PM, RE, SC, TW, WC, WD, WP)

Supplemental Information Checklist By Project Type
(Please refer to the item numbers above)

Project Type	**Item Number**
AC	1
CC	1, 2, 3, 5, 13
CF	1, 2, 3, 5, 7, 13
ED	1, 5, 8
FL	1, 2, 3, 5, 13
HA	1, 3, 5, 9, 13
HB	1, 2, 3, 5, 13
HI	1, 2, 3, 5, 13
HR	1, 2, 3, 5, 6, 13
HS	1, 2, 3, 5, 13
HU	1, 2, 3, 4, 5, 6, 13
MD	1, 3, 4, 5, 13
MO	1, 2, 3, 4, 5, 13
OR	1, 4, 5, 11
PI	1, 4, 5, 11
PL	1, 4, 5
PM	1, 2, 3, 5, 13
RE	1, 3, 5, 12, 13
SC	1, 2, 3, 5, 13
TE	1, 3, 5, 8
TW	1, 2, 3, 5, 13
WC	1, 2, 3, 5, 13
WD	1, 2, 3, 5, 13
WP	1, 3, 4, 5, 10, 13

Proposal Application Form

Section 1: Summary Information

1. Project type:

2. Project title:

3. Amount requested:

4. Total project cost:

5. Salmonid species benefited: Chinook ☐ Coho ☐ Steelhead ☐ Cutthroat ☐

6. Project summary:

7. Applicant name:

8. Contact person:
9. Address:
10. City:
11. State:
12. ZIP:
13. Telephone number:
14. FAX number:
15. Email address:

16. Type: Public Agency ☐ Nonprofit Organization ☐ Private Enterprise ☐ Indian Tribe ☐

17. OSBCR Certified Small Business? ☐
If yes, specify the industry group and Small Business Reference Number:

18. Past contractor? ☐

19. Federal taxpayer ID:

20. Stream:

21. Tributary to:

22. Major drainage system:

23. County(ies):

24. Within Coastal Zone? ☐ Within Trinity River basin? ☐ Within Klamath River basin? ☐

Section 2: Location Information

1. Township, Range, Section:

2. Latitude, Longitude (in decimal degrees):

3. Location description:

4. Directions:

Section 3: Watershed Information

1. Watershed name:

2. Watershed area:

3. Watershed area included in this proposal:

4. Land use statement:

5. Watershed area ownership: % private: % state: % federal:

6. Watershed area with landowners supportive of proposal:

7. Watershed length of blue line streams:

8. Length of blue line streams affected by proposal:

9. Salmonids present:

10. Source(s) of above information:

11. Salmonids historically present:

12. Source(s) of above information:

13. Limiting factors to salmonids:

14. Source(s) of above information:

Section 4: Project Objectives

1. Background and Need for project:

2. Known limiting factors addressed by project:

3. Limiting factor remediation:

4. Additional objectives:

Section 5: Project Tasks and Results

1. Detailed Project Tasks:

2. Time frame:

3. DFG acceptable protocols used in project development and completion:
   - ☐ DFG Restoration Manual
     List:
   - ☐ DFG Monitoring Protocols
     List:
   - ☐ Fish, Farms and Forestry Coalition Draft Protocols
     List:
   - ☐ PWA Road Assessment
   - ☐ Star Worksheet Road Assessment
   - ☐ V-Star residual Pool Volume
   - ☐ Juvenile summer abundance estimation
   - ☐ Out-migrant trapping and efficiency
   - ☐ California Content Standards
   - ☐ National Science Content Standards

4. Other protocols:

5. Deliverables:

6. Expected Quantitative Results:
   a. Stream length treated/assessed/made more accessible (distance in feet):
   b. Instream habitat structures to be installed (number):
   c. Fencing length to be installed/repaired (distance in feet):
   d. Road length treated/assessed (distance in miles):
   e. Stream crossings treated (number):
   f. Sediment prevented from entering the stream (volume in cubic yards):
   g. Trees planted (number):
   h. Area planted/preserved/assessed (area in acres):
   i. Public meetings (number):
   j. Public meeting attendees (number):
   k. Students trained (number):
   l. Juvenile fish produced: released:

7. Other products and results:

8. Applicant's qualifications and experience:

Section 6: Landowners, Access and Permits

1. Landowners granting access for project (Please attach access agreements):

2. Permits:

3. Lead CEQA agency:

4. Required mitigation? ☐

Section 7: Project Budget

1. Summary Project Costs (Please attach detailed budget):

Sources of Funds	Cash	In-kind (if applicable)	Total
Fisheries Restoration Grant Program			
Other State Agencies Name(s) and amount(s) of each:			
Federal Name(s) and amount(s) of each:			
Applicant			
Other Sources Name(s) and amount(s) of each:			
Total			

2. Standardized Costs:

3. Budget justification:

Section 8: Supplemental or Specialized Information

In the following order, please attach the following required items, as appropriate to the project type:

☐ 1. Project budget according to the sample in the Solicitation. See examples and instructions on pages B10-B16. (ALL)
☐ 2. Plan view diagram. See example on page B9. (CC, CF, FL, HB, HI, HR, HS, HU, MO, PM, SC, TW, WC, WD)
☐ 3. Project location topo map, 7.5 minute. See example on page B8. (CC, CF, FL, HA, HB, HI, HR, HS, HU, MD, MO, PM, RE, SC, TE, TW, WC, WD, WP)
☐ 4. Watershed map. See Section III. (HU, MD, MO, OR, PI, PL, WP)
☐ 5. Landowner access agreements. See examples on pages B2-B7. (All projects with on-the-ground work)
☐ 6. Project 10-year maintenance agreement. See examples on pages B3-B5. (HR, HU)
☐ 7. Written eligibility certification from CDF. See Section III. (CF)
☐ 8. Evaluation plan. See Section III. (ED, TE)
☐ 9. Land acquisition/easement information. See pages 8-9, Section III. (HA)
☐ 10. Water purchase information. See pages 11-12, Section III. (WP)
☐ 11. Status report. See Section III. (OR, PI)
☐ 12. 5-year management plan. See page 10, Section III. (RE)
☐ 13. Environmental project questionnaire. See form on pages B17-B19. (CC, CF, FL, HA, HB, HI, HR, HS, HU, MD, MO, PM, RE, SC, TW, WC, WD, WP)

Supplemental Information Checklist By Project Type
(Please refer to the item numbers above)

Project Type	Item Number
AC	1
CC	1, 2, 3, 5, 13
CF	1, 2, 3, 5, 7, 13
ED	1, 5, 8
FL	1, 2, 3, 5, 13
HA	1, 3, 5, 9, 13
HB	1, 2, 3, 5, 13
HI	1, 2, 3, 5, 13
HR	1, 2, 3, 5, 6, 13
HS	1, 2, 3, 5, 13
HU	1, 2, 3, 4, 5, 6, 13
MD	1, 3, 4, 5, 13
MO	1, 2, 3, 4, 5, 13
OR	1, 4, 5, 11
PI	1, 4, 5, 11
PL	1, 4, 5
PM	1, 2, 3, 5, 13
RE	1, 3, 5, 12, 13
SC	1, 2, 3, 5, 13
TE	1, 3, 5, 8
TW	1, 2, 3, 5, 13
WC	1, 2, 3, 5, 13
WD	1, 2, 3, 5, 13
WP	1, 3, 4, 5, 10, 13

Suggested Standards for Proposal Development

DFG List of Factors Considered to Limit Anadromous Fish Production:

1.	Water quantity	(lack of flow, diversions, runoff)
2.	Water quality	(temperature, chemistry, turbidity)
3.	Riparian dysfunction	(lack of shade, excessive nutrients, roughness elements)
4.	Excessive sediment yield	(pool and gravel quality)
5.	Spawning requirements	(passage, gravel, resting areas-pools)
6.	Rearing requirements	(velocity, lack of woody debris, pools)
7.	Estuary / lagoon issues	(closure during migration periods)

Current Acceptable Protocol List:
(Other protocols may be approved upon review by Program Manager)

1. DFG's California Salmonid Stream Habitat Restoration Manual (Available from Native Anadromous Fish & Watershed Branch, 916-327-8840 or via Internet at http://www.dfg.ca.gov/nafwb/fishgrant.shtml):
   - A. Habitat typing
   - B. Channel typing
   - C. Riparian / LWD survey
   - D. See spawner survey form (Page IV-11)
   - E. See electrofishing form (Page IV-16)
   - F. Part Seven implementation methods
   - G. Part Eight evaluation and monitoring methods
   - H. Part Nine fish passage

   DFG's Interim protocols for effectiveness and validation monitoring of salmonid habitat restoration projects (Available from Native Anadromous Fish & Watershed Branch at http://www.dfg.ca.gov/nafwb/fishgrant.shtml)

2. Aquatic Field Protocols Adopted by the Fish, Farm, and Forest Communities (FFFC) Technical Committee (Available at www.humboldt.edu/~fffc/):
   - A. Channel and habitat typing
   - B. Habitat Typing Sub-sampling
   - C. Instream and Riparian Zone LWD Inventories
   - D. Sediment Sampling for Spawning Substrate Quality
   - E. Summer Water Temperature
   - F. Macroinvertebrate Sampling
   - G. Carcass and Redd Count Surveys
   - H. Genetic Research Tissue Sampling

3. Other:
   - A. PWA road assessment
   - B. Star worksheet road assessment
   - C. V-star residual pool volume
   - D. Juvenile summer abundance estimation (Institute for Forest and Watershed Management: http://www.humboldt.edu/~ifwm/Publications/cohoproto.pdf)
   - E. Out-migrant trapping and efficiency calibration (National Marine Fisheries Service, Southwest Fisheries Science Center; http://www.pfeg.noaa.gov/tib/files/pubs/DARR_Admin_Report_SC_00_02.pdf)

APPENDIX B

FORMS AND EXAMPLES

EXAMPLE

(HABITAT RESTORATION PROJECT LANDOWNER AGREEMENT)
ACME STUMP GRUBBERS
P.O. Box 456
Halfway Hill, CA 95677

STREAM HABITAT RESTORATION PROJECT AGREEMENT
Trickle Creek Stream Restoration Project #1

I. PURPOSE

The following agreement details requirements of both the landowner and the Acme Stump Grubbers regarding establishment of a stream habitat improvement project on real property controlled by the landowner named below. Said property is located approximately two miles upstream from the mouth of Trickle Creek, tributary to Ample Creek (see map attached to proposal).

I, _____, hereinafter "Landowner", am aware that a stream habitat restoration project has been submitted to the Department of Fish and Game for funding consideration. I understand the objectives of the project as proposed in the Trickle Creek Stream Restoration Project #1 (see proposal). The project has been explained to me by the Acme Stump Grubbers. I support the goals of the project.

II. ACCESS PERMISSION

Landowner hereby grants Acme Stump Grubbers and California Department of Fish and Game representatives permission to enter onto real property owned by the Landowner to perform pre-project evaluation; and, if an agreement for the project is entered into between the Acme Stump Grubbers and the California Department of Fish and Game, Landowner grants permission to perform the stream habitat restoration work, conduct project inspections, and monitor project for needed maintenance for a 10-year period following project completion. Access shall be limited to those portions of landowner's real property where actual stream restoration work is to be performed and those additional portions of the real property which must be traversed to gain access to the work site.

III. DURATION OF NOTICE

The term of this agreement shall be _____ months for work performance, and 10 years for maintenance, inspection, and monitoring purposes from the last date of execution shown below. This is provided that Acme Stump Grubbers or the California Department of Fish and Game shall give Landowner reasonable actual notice and any necessary arrangements are made prior to each needed access. Reasonable and actual notice may be given by mail, in person, or by telephone.

This agreement can be amended only by prior written agreement of both parties executing this permit.

IV. LIABILITIES

Reasonable precautions will be exercised by Acme Stump Grubbers to avoid damage to persons and property.

Acme Stump Grubbers agrees to indemnify and hold harmless the landowner and agrees to pay for reasonable damages proximately caused by reason of the uses authorized by this permit, except those caused by the gross negligence or intentional conduct of the landowner.

Date _____ _____
Landowner Signature

Date _____ _____
Chuck E. Chainsaw
Acme Stump Grubbers

EXAMPLE

(RIPARIAN AREA MANAGEMENT PLAN LANDOWNER AGREEMENT)
ACME STUMP GRUBBERS
P.O. Box 456
Halfway Hill, CA 95677

RIPARIAN AREA MANAGEMENT PLAN AGREEMENT

I. PURPOSE

The following agreement details the requirements of both the landowner and the Acme Stump Grubbers regarding a livestock exclusion, riparian vegetation restoration project on the real property controlled by the landowner named below. Said property is located approximately two miles upstream of the mouth of Trickle Creek, tributary to Ample Creek (see map attached to proposal).

I, _____, hereinafter called "Landowner", am aware that a riparian vegetation restoration project has been submitted to the California Department of Fish and Game for funding consideration. I understand the objectives of the project as proposed in the Trickle Creek Stream Restoration Project #1 (see proposal). The project has been explained to me by Acme Stump Grubbers. I support the goals of the project.

For the purpose of this agreement, riparian area shall be defined as the area, including the necessary fence(s), between the fence(s) and the middle of the stream channel. This specifically includes the stream bank and associated vegetation within this area.

I understand the purpose of the livestock exclusion fence detailed in the proposal mentioned above is to exclude livestock from the riparian zone on my property. The fence will allow mature riparian vegetation to become reestablished. A mature riparian community will provide increased stream bank stability, shade and cover for fish and wildlife. The project can only be successful if the fence is maintained long enough for the riparian community to become reestablished.

II. REQUIREMENTS

Acme Stump Grubbers agrees to:

1. Contingent on receiving funding from the California Department of Fish and Game, provide monies for purchase of materials and supplies to construct livestock exclusion fencing on landowners real property as described in proposal.

2. Provide labor necessary for initial installation of livestock exclusion fencing on landowner's real property.

3. Provide technical assistance during the contract life for management of the riparian area.

Landowner agrees to:

1. Maintain livestock exclusion fence(s) for a period of 10 years from the last date of execution shown below. Maintenance will include repair of fences to a level that will effectively exclude livestock from the livestock exclusion project area. Maintenance will not include damage that exceeds 50 percent of the fence due to natural disaster.

2. Totally exclude livestock from the project area until newly planted trees become well-established. If controlled, limited grazing is essential, landowner will submit a written plan, to the California Department of Fish and Game for approval, that will detail how the limited grazing will not cause damage to desirable vegetation or stream banks within the project area.

3. Once it has been established by the California Department of Fish and Game that limited grazing within the project area is acceptable, grazing will be limited to an amount that will not cause damage to the newly planted trees or stream banks. Generally acceptable limits will be to remove 50 percent of the current year growth of grasses and forbs. Livestock shall be removed before they begin to browse on woody plants. Newly planted trees damaged by browsing will be replaced at landowners' expense.

III. DURATION OF NOTICE

The term of this agreement shall be _____ months for work performance, and 10 years for maintenance, inspection, and monitoring purposes from the last date of execution shown below. This is provided that Acme Stump Grubbers or the California Department of Fish and Game shall give Landowner reasonable actual notice prior to each needed access. Reasonable and actual notice may be given by mail, in person, or by telephone. This agreement can be amended only by prior written agreement of both parties executing this permit.

IV. LIABILITIES

Reasonable precautions will be exercised by Acme Stump Grubbers to avoid damage to persons and property.

Acme Stump Grubbers agrees to indemnify and hold harmless the landowner and agrees to pay for reasonable damages proximately caused by reason of the uses authorized by this permit, except those caused by the gross negligence or intentional conduct of the landowner.

Date _____ _____

Landowner Signature

Date _____ _____

Chuck E. Chainsaw
Acme Stump Grubbers

EXAMPLE

UPSLOPE EROSION CONTROL PROJECT AGREEMENT

I. PURPOSE

The following agreement details the requirements of both the Landowner and the Contractor regarding an upslope erosion control project. This project is on the real property controlled by the Landowner named below. Said property is located on (Name of watershed) (attached map).

I, _____, hereinafter called "Landowner" am aware that an upslope erosion control project has been submitted to the California Department of Fish and Game, for funding consideration. I understand the objective of the project as proposed in the (insert name of proposal). The project has been explained to me by (Contractor). I support the erosion control goal of the project.

For the purposes of this agreement, the project will include any upslope erosion control, road upgrade, or stream crossing remediation project that is included in the proposal. I understand the purpose of the erosion control project is to reduce fine sediment from entering (name of stream). This reduction of sediment will facilitate the recovery of salmonids in the (name of watershed) watershed. The project can only be successful if the erosion control project is maintained by the Landowner or the Contractor, who ever is designated in this agreement.

II. ACCESS PERMISSION

Landowner herby grants ____Contractor_____ and California Department of Fish and Game representatives permission to enter onto real property owned by the landowner to perform pre-project evaluation; and, if an agreement for the project is entered into between the _____Contractor_____ and the California Department of Fish and Game, landowner grants permission to perform the upslope erosion control work, conduct project inspections, and monitor project for needed maintenance following project completion. Access shall be limited to those portions of landowner's real property where actual upland erosion control work is to be performed and those additional portions of the real property which must be traversed to gain access to the work site.

III. REQUIREMENTS

Contractor agrees to:

Contingent on receiving funding from the California Department of Fish and Game, provide monies for purchase of materials and supplies to complete the project, on the Landowner's real property, as described in the project description in the proposal.

Provide the heavy equipment and labor to complete the described project on the Landowner's real property.

Landowner agrees to:

Maintain the erosion control project, for a period of not less than 10 years, from the last date of execution shown below. Maintenance will consist of repair to the road or stream crossing to a level that will effectively reduce sediment from entering (name of stream). In the event of an act of nature which results in partial or complete failure of the project, the Landowners and/or Contractor will not be held responsible for costs incurred up to the date of the act of nature. Acts of nature include, but are not limited to: floods, earthquakes, volcanic eruptions, wind storms.

IV. DURATION OF NOTICE

The term of this agreement shall be _____ months for work performance, and 10 years for maintenance, inspection, and monitoring purposes from the last date of execution shown below. This is provided that the contractor or the California Department of Fish and Game shall give Landowner reasonable actual notice prior to each needed access. Reasonable and actual notice may be given by mail, in person, or by telephone. This agreement can be amended only by prior written agreement of both parties executing this agreement.

V. LIABILITIES

Reasonable precautions will be exercised by Contractor to avoid damage to persons and property.

The Contractor agrees to indemnify and hold harmless the landowner and agrees to pay for reasonable damages proximately caused by reason of the uses authorized by this permit, except those caused by the gross negligence or intentional conduct of the landowner.

Print Landowner name _____
Landowner address _____
_____
_____

_____
Landowner Signature and date

Print Contractor name _____
Contractor address _____
_____
_____

_____
Contractor Signature and date

EXAMPLE

(COOPERATIVE FISH REARING PROJECTS LANDOWNER AGREEMENT)
Dry Creek Salmon Enhancement Project
P.O. Box 123
Pine Valley, CA 95678
Access/Entry Agreement

I. PURPOSE

The following agreement details requirements of both the landowner and the Dry Creek Salmon Enhancement Project regarding establishment of a fishery enhancement project on real property controlled by the landowner named below. Said property is located four and one half miles from the mouth of Dry Creek, tributary to Muddy River (See map attached to proposal).

I, _____, hereinafter referred to as "Landowner", am aware that a fish rearing facility and trapping sites are located on Dry Creek, tributary to Muddy River, located on Big Trees Lumber Company property. The project has been explained to me by the Dry Creek Salmon Enhancement Project. I support the goals of the project.

II. ACCESS PERMISSION

Landowner hereby grants Dry Creek Salmon Enhancement Project and California Department of Fish and Game representatives permission to enter onto real property owned by the Landowner to perform pre-project evaluation; and, if an agreement for the project is entered into between the Dry Creek Salmon Enhancement Project and the California Department of Fish and Game, Landowner grants permission to perform the fishery enhancement work, to conduct field inspections, and to monitor project for needed maintenance or equipment removal for the life of the project. Access shall be limited to those portions of landowner's real property where actual fishery enhancement work is to be performed and those additional portions of real property which must be traversed to gain access to the work site.

III. DURATION OF NOTICE

The term of this agreement shall commence upon signing of this Agreement and terminate on___. This Agreement may be terminated by either party at any time, without cause, upon sixty (60) days written notice to the other party.

IV. LIABILITIES

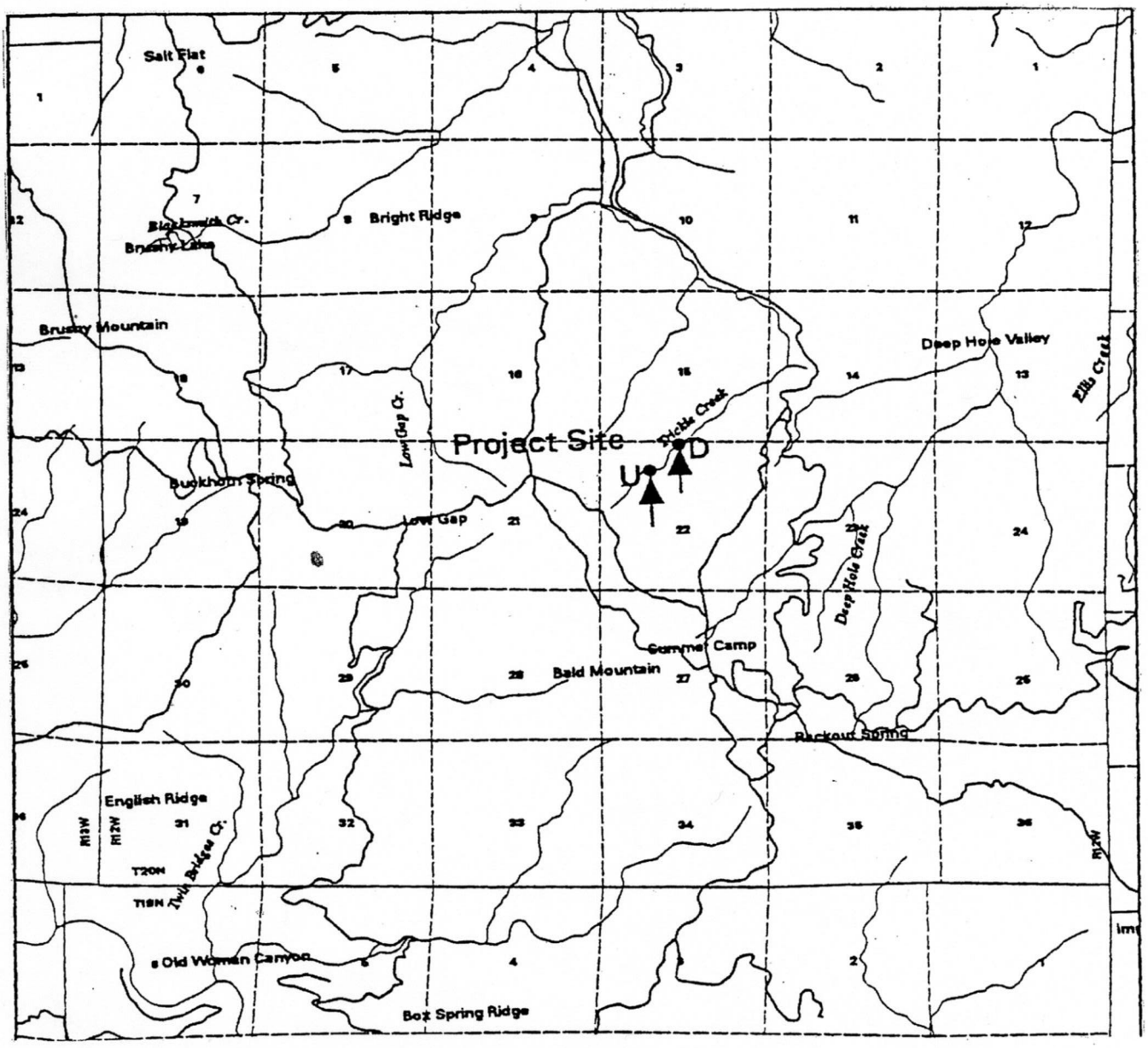
Reasonable precautions will be exercised by Dry Creek Salmon Enhancement Project to avoid damage to persons and property.

Dry Creek Salmon Enhancement Project agrees to indemnify and hold harmless the landowner and agrees to pay for reasonable damages proximately caused by reason of the uses authorized by this permit, except those caused by the gross negligence or intentional conduct of the landowner.

Date _____ _____
Landowner Signature

Date _____ _____
Bob R. Float
Dry Creek Salmon Enhancement Project

EXAMPLE PROJECT SITE MAP
ACME STUMP GRUBBERS
Trickle Creek Stream Restoration Project No. 1

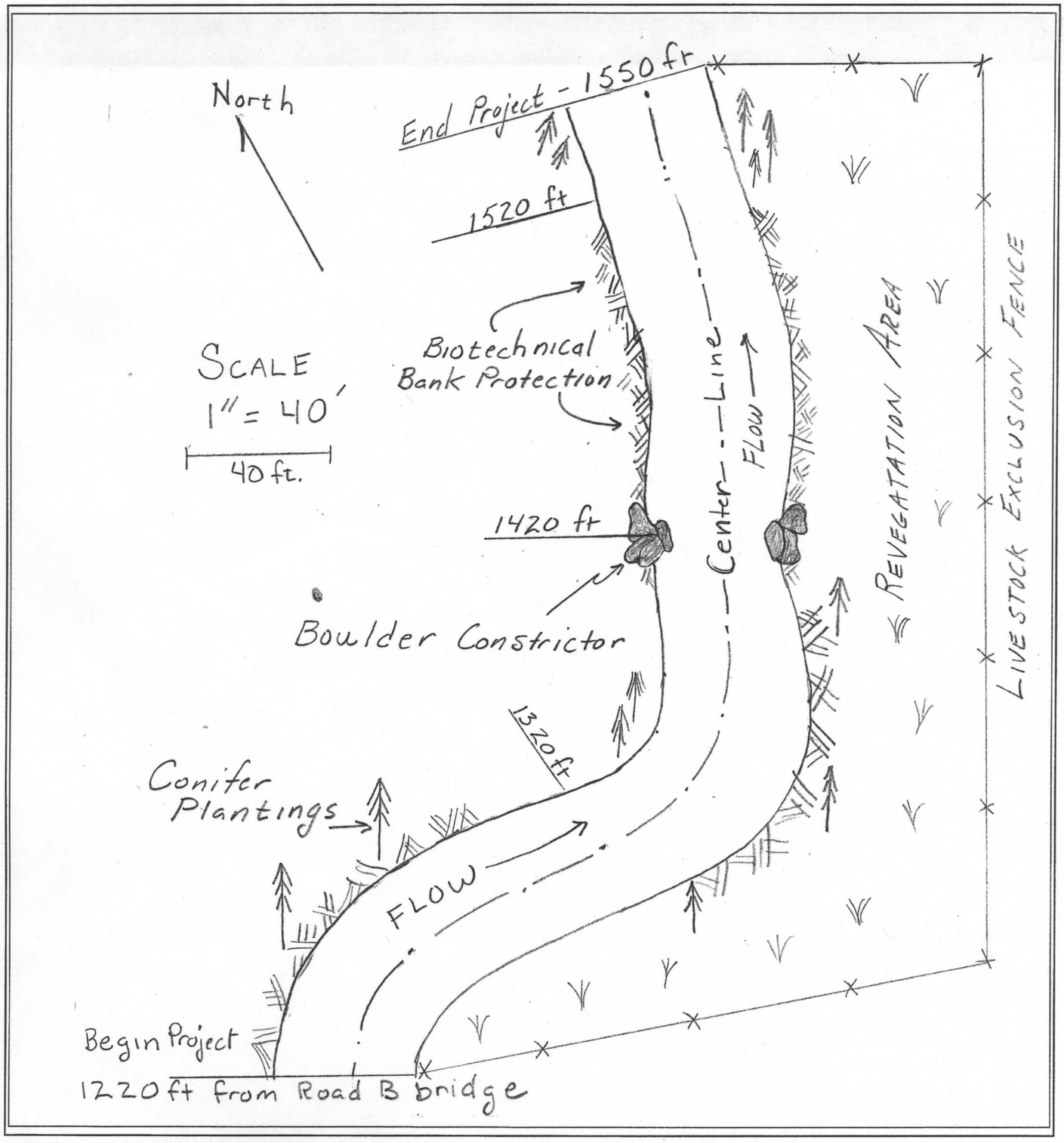


United States Geological Survey ,
7.5 minute Topographic Map; Stinker Quadrangle, 1956 edition,

SCALE

1 mile

EXAMPLE



PLAN VIEW: TRICKLE CREEK RESTORATION PROJECT No. 1

ACME STUMP GUBBERS

APRIL 15, 2002

EXAMPLE

ESTIMATED BUDGET
BULLNOSE CREEK DIVERSION IMPROVEMENT PROJECT

			Amount Requested	Amount of Cost Share	Total Project Cost
PERSONAL SERVICES COSTS					
Level of Staff	Number of Hours	Hourly Rate			
Implementation Coordinator	400	18.63	$5,589.00	$1,863.00	$7,452.00
Restoration Technicians	1000	15.00	$10,000.00	$5,000.00	$15,000.00
Project Manager	100	22.50	$2,250.00		$2,250.00
District Manager	25	25.00	$625.00		$625.00
GIS Specialist	50	19.00	$950.00		$950.00
Project Engineer	100	30.00	$3,000.00		$3,000.00
Field Technician	218	11.00	$0.00	$2,398.00	$2,398.00
Subtotal			$22,414.00	$9,261.00	$31,675.00
Staff Benefits @ 23.00%			$5,155.00	$2,130.00	$7,285.00
TOTAL PERSONAL SERVICES COSTS			**$27,569.00**	**$11,391.00**	**$38,960.00**
OPERATING EXPENSES					
Description	Number of Units	Unit Price			
Subcontractors					
Excavator	50 hours	$125.00	$5,000.00	$1,250.00	$6,250.00
Dozer	170 hours	$60.00	$10,200.00		$10,200.00
10 yd. Dumptruck	40 hours	$55.00	$2,200.00		$2,200.00
Design Specialist	120 hours	$60.00	$7,200.00		$7,200.00
Exclusion Fencing	300 feet	$4.00	$1,200.00		$1,200.00
Materials and Supplies					
Quarry Rock	1000 Cu. Yds.	$16.25	$16,250.00		$16,250.00
4'+ diameter boulders	48 each	$80.00	$3,840.00		$3,840.00
Head gates	2 each	$600.00	$1,200.00		$1,200.00
Filter fabric	12 rolls	$314.00	$3,768.00		$3,768.00
Seeds, plants, fertilizer			$400.00	$200.00	$600.00
Liability Insurance			$150.00		$150.00
Office lease	12 months	$60.00		$720.00	$720.00
Office equipment lease			$250.00		$250.00
Transportation	750 miles	$0.34	$255.00		$255.00
Per Diem	12 days	$40.00		$480.00	$480.00
Postage			$40.00		$40.00
Printing and copying			$50.00	$50.00	$100.00
TOTAL OPERATING COSTS			**$52,003.00**	**$2,700.00**	**$54,703.00**

Include only your employees

A staff benefit amount must be listed

Travel Maximum rates allowed

SUBTOTAL		**$79,572.00**	**$14,091.00**	**$93,663.00**
ADMINISTRATIVE OVERHEAD @	10.00%	**$7,957.00**	**$1,409.00**	**$9,366.00**
TOTAL ESTIMATED BUDGET		**$87,529.00**	**$15,500.00**	**$103,029.00**

If more than 10%, attach justification

= $15,500 / $103,029 X 100

COST SHARE PERCENTAGE = 15.00%

SOURCE AND AMOUNT OF COST SHARE:

ALL Cost Share must be itemized

U.S. Fish and Wildlife Service	$5,200.00
U.S. Forest Service	$4,200.00
Jefferson County D.O.T.	$4,221.00
TOTAL AMOUNT OF COST SHARE:	$13,621.00

Estimated Budget

Project Title :

			Amount Requested	Amount of Cost Share	Project Total
PERSONAL SERVICES COSTS					
Level of Staff	Number of Hours	Hourly Rate			
		$	$	$	$
		$	$	$	$
		$	$	$	$
		$	$	$	$
		$	$	$	$
		$	$	$	$
		$	$	$	$
Subtotal			$	$	$
Staff Benefits @ %			$	$	$
TOTAL PERSONAL SERVICES COSTS			**$**	**$**	**$**
OPERATING EXPENSES	Number of Units	Unit Cost			
Subcontracts:					
			$	$	$
			$	$	$
			$	$	$
Materials and supplies:					
			$	$	$
			$	$	$
			$	$	$
			$	$	$
			$	$	$
			$	$	$
			$	$	$
			$	$	$
			$	$	$
TOTAL OPERATING EXPENSES			**$**	**$**	**$**
SUBTOTAL			$	$	$
ADMINISTRATIVE OVERHEAD @ %			**$**	**$**	**$**
TOTAL ESTIMATED BUDGET			**$**	**$**	**$**

COST SHARE PERCENTAGE = %

SOURCE(S) AND AMOUNT(S) OF COST SHARE:	
	$
	$
	$
TOTAL AMOUNT OF COST SHARE:	$

Instructions for Completing Estimated Budget

Refer to the example budget on Page B14
Proposals not conforming to this format will be considered non-compliant and will be rejected.

General Information:
- The budget must contain all project costs.
- Projects approved for funding will be required to submit invoices matching this budget format.
- It is recommended you create and save your budget and proposal in a *Microsoft Word*® compatible word processing or spreadsheet program. If the proposal is funded, the information can be sent electronically to DFG staff without reformatting it. A fill and print budget template is provided on page B12.

Personal Services Costs : All employee costs required to complete the proposed project.
- List each personnel classification, their total hours, hourly pay rate and the calculated total.
- A "Staff Benefit(s)" amount must be listed and calculated.
- Do not list subcontracts in this section. Subcontracts are listed as Operating Expenses.

Operating Expenses: Materials, contractual services, equipment and incidental costs.
Contractual Services are those necessary for the implementation of the proposal for which the applicant will subcontract. These services are undertaken by a provider external to the applicant's organization.

- List each subcontractor on a separate line.

Other Operating Expenses: Expenses related to the operation of the proposal.
- Provide as much cost detail as possible and practical. Use unit costs when applicable (per lb., per day, cubic yard, linear foot, etc.).
- See page B22 - B23 for examples of standardized costs. These costs are to be used as a guide. They have been established for typical projects, using information from past experience, and from DFG operating cost records. Budgets submitted with higher than standard costs should include adequate justification (see page 6).
- Purchase of equipment with Grant funds is not normally allowed. See page 6, paragraph 3 for equipment definitions and restrictions.

- Travel: Expenses must be consistent with state guidelines for reimbursed travel expenses. Per diem and mileage rates may not exceed: lodging $84 plus tax, $40 per day for food, and $.34 per mile

Administrative Overhead: Should be applied only to projected administrative costs that cannot be recovered in other budget categories.
- Administrative overhead in excess of 10% must be justified on a separate attachment.

Cost Share: Cost share can be either money, or resources other than money, provided by the applicant or private companies, nonprofit organizations, public agencies and/or other entities involved in the implementation of the Proposal.
- Cost share percentage is calculated using this formula:

$$\text{Cost share percentage} = \frac{\text{Total Cost Share Dollars}}{\text{Project Total}} \times 100$$

Note: "project total" is equal to the amount requested plus the total cost share amount
- Proposals must identify each cost share source and amount on the bottom of the budget page.

THIS BUDGET FORMAT MUST BE USED OR PROPOSAL WILL BE REJECTED

EXAMPLE

Dry Creek Salmon Enhancement Project
ESTIMATED BUDGET

	Number of Hours	Hourly Rate	Amount Requested	Amount of Cost Share	Project Total
PERSONAL SERVICES COSTS					
Level of Staff					
Hatchery Manager	1000	$10.00	$5,000.00	$5,000.00	$10,000.00
Fish Culturist	1500	8.00	5,000.00	7,000.00	12,000.00
Assistant/Laborer	500	7.00	1,750.00	1,750.00	3,500.00
Volunteer Labor	700	5.50		3,850.00	3,850.00
Staff Benefits at 28%			3,290.00	4,928.00	8,218.00
TOTAL PERSONAL SERVICES COSTS			15,040.00	22,528.00	37,568.00
OPERATING EXPENSES					
Construction supplies (Fiberglass panels for Trough covers)			100.00	100.00	200.00
Fish cultural supplies (1mg MS222 @$50/mg, 10 lbs salt @ $100/lb, 3 nets @ $500/ea., 3 pr. wading boots @ $150/pr.)			2,000.00	1,000.00	3,000.00
Fish food (Starter Diet: 160kg at 1.80/kg Grower: 200kg at 2.40/kg Moist/Semi-moist pellets: 2,000 lbs at 0.61/lb)			2,000.00	0.00	2,000.00
Postage			60.00	0.00	60.00
Printing and duplicating			50.00	0.00	50.00
Telephone			100.00	0.00	100.00
Tools and instruments			0.00	200.00	200.00
Transportation costs (294 mi. @ 0.34/mi)			100.00	0.00	100.00
Utilities			300.00	0.00	300.00
Liability Insurance			250.00	300.00	550.00
TOTAL OPERATING EXPENSES			4,960.00	1,600.00	6,560.00
TOTAL ESTIMATED BUDGET			$20,000.00	$24,128.00	$44,128.00

PERCENT COST SHARE: 54.7%
SOURCE OF FEDERAL COST SHARE: U.S. Fish and Wildlife Service
AMOUNT OF FEDERAL COST SHARE (IF ANY): $24,128.00

EXAMPLE

(INSTRUCTIONS FOR ESTIMATED BUDGET)

PERSONAL SERVICES COSTS

You must include each level of staffing necessary to complete the proposed project, the number of hours for each level, the hourly rate and an extended total. For example:

Level of Staff	Number of Hours	Hourly Rate	Total
Hatchery Manager	1000	$10.00	$ 10,000.00
Fish Culturist	1500	8.00	12,000.00
Assistant/Laborer	500	7.00	3,500.00
Volunteer Labor	700	5.50	3,850.00
Total			$ 29,350.00
Staff Benefits at 26%			8,218.00
TOTAL PERSONAL SERVICES COSTS			$ 37,568.00

OPERATING EXPENSES

Provide as much detail as possible. For example:

Construction supplies:
Fiberglass panels for trough covers
Fish food:
Number of pounds at cost per pound
Equipment lease/rental:
Dump truck -- two days at cost per day

Apply administrative overhead on a percentage basis only for those administrative costs incurred to complete the project that cannot otherwise be included as costs in other budget categories. "Percentage" administrative or "overhead" costs must be justified on a line-item basis at contract conclusion if requested by the contracting State agency (DFG) or during contract auditing.

COST SHARE CALCULATION

The cost share percentage is calculated by using the following formula:

Cost share percent = Cost share dollars / Total project cost X 100

Note: Total project cost = amount requested plus cost share claimed.

Example:	cost share amount	=	$24.128
	amount requested	=	$20,000
	total project cost	=	$44,128

Cost share = 24,128/44,128 X 100 = 54.7%

Use this in conjunction with sample budget format on proceeding page. Projects receiving funds will be required to use this format for billing DFG.

IMPORTANT NOTE: PROJECTS WITH FEDERAL COST SHARE MUST INDICATE THE SOURCE AND DOLLAR AMOUNT ON THE LAST TWO LINES OF THE BUDGET AS SHOWN. FAILURE TO PROVIDE THIS INFORMATION WHEN APPLICABLE MAY BE CONSIDERED NON-RESPONSIVE AND/OR RESULT IN THE WITHDRAWAL OF FUNDING APPROVAL.

EXAMPLE

Dry Creek Salmon Enhancement Project
Summary of Production Costs for Past Five Years

Average Broodyear Cost/Fish	Number of Fish Released	Project	Total Cost
1996/97	50,000 fingerlings 50,000 yearlings	$40,000	$0.40
1995/96	47,000 fingerlings 55,000 yearlings	$44,000	$0.46
1994/95	40,000 fingerlings 35,000 yearlings	$31,000	$0.41
1993/94	57,000 fingerlings 58,000 yearlings	$42,500	$0.36
1992/93	35,000 fingerlings 27,000 yearlings	$26,000	$0.41

Annual production costs have been below Production Cost Standards for the past five years.

Environmental Project Questionnaire

Proposer must complete and submit this form with proposal or proposal will be rejected. *If explanation exceeds space provided please provide additional explanations on separate paper.*

	Yes	Maybe/ Uncertain	No	Please explain if you responded "yes" or "maybe/uncertain"
1. Will the project or activity involve work on the bank of a river, stream, lake, or on slopes immediately adjacent to a river, stream or lake?				
2. If you answered "yes" to #1, will the project or activity involve any of the following:				
a. Removal of any vegetation?				
b. Excavation of the bank?				
c. Removal or storage of fill material from roads or stream crossings?				
d. Placement of bank protection or stabilization structures or materials (e.g., gabions, riprap, concrete slurry/sacks)?				
3. Will the project or activity take place in, adjacent to, or near a river that has been designated as "wild and scenic" under state or federal law?				
4. Will the project or activity involve work in the bed, or channel of a river, stream, or lake?				
5. Will the project or activity involve the placement of any permanent or temporary structure in a river, stream, or lake?				
6. If you answered "yes" to #5, describe the types of structures to be placed in a river, stream, or lake:				
7. Will the project involve the use of material from a streambed?				
8. Will the project or activity result in the disposal or deposition of debris, waste, sediment or other material in a river, stream, or lake?				
a. If you answered "yes" to #8, describe the material that will be disposed of or deposited in the river stream, or, lake:				

	Yes	Maybe/ Uncertain	No	Please explain if you responded "yes" or "maybe/uncertain"
9. Will any type of construction equipment be used?				
a. If you answered "yes" to #9, describe the type of equipment that will be used:				
b. Will it be used in a river, stream, or lake?				
c. Will it be used on slopes greater than 30%?				
10. Does the project or activity area flood or periodically become inundated with water?				
11. Will water need to be diverted from a river, stream, or lake for the project or activity?				
12. If you answered "yes" to #11, please answer the following:				
a. Will this be a temporary diversion?				
b. Will the water be diverted by means of a dam, reservoir, or other water impoundment structure?				
13. Will water quality be affected by the deposition of silt, an increase in water temperature, a change in the pH level, or in some other way?				
14. Will the project or activity be done pursuant to a water right application or permit?				
15. Will the project or activity affect fish, amphibians, insects, or other aquatic resources?				
16. Will the project or activity affect terrestrial wildlife?				
17. Are any endangered or rare plant species thought or known to occur in the area where the proposed project or activity will take place?				
18. Are any endangered or threatened fish, bird, or animal species thought or known to occur in the area where the proposed project or activity will take place?				
19. Have you contacted any other local, State, or federal agency regarding the project or activity?				

	Yes	Maybe/ Uncertain	No	Please explain if you responded "yes" or "maybe/uncertain"
a. If you answered "yes" to #19, please list the names of the agencies you have contacted:				
20. Have you applied for or obtained any permit, agreement, or other authorization for your project or activity from any government agency?				
If you answered "yes" to #20, please list the names or describe the permit, agreement, or authorization you have applied for or obtained:				
21. Have any environmental documents pertaining to your project or activity been prepared?				
a. If you answered "yes" to #21, please list the environmental documents that have been prepared, and when prepared:				

EXAMPLES OF STANDARDIZED COSTS

A. **Standardized costs for instream structures:** These standards are only to be used as a guide. The size of the stream, ease of access, and availability of materials will be considered in evaluating structure costs. (see examples in the DFG *California Salmonid Stream Habitat Restoration Manual* - Third Edition).

1. Anchored log structures will consist of logs of appropriate size for the stream they are to be placed in, but in no case less than a minimum of 12" in diameter and 10' in length.

    a. Single digger logs (Figure VII-18) secured to boulders, bedrock or live trees standard costs of $750.00. If a second log is included in the structure, add $750.00 to the standard cost.

    b. Spider log structures consisting of three logs (Figure VII-19) standard cost of $2,250.00.

    c. Log weirs consisting of single logs including straight log weirs (Figure VII-27), diagonal log weirs (Figure VII-29) and upsurge log weirs (Figure VII-34) have a standard cost $750.00.

    d. Log weirs consisting of multiple logs including downstream log weirs (Figure VII-28), upstream log weirs (Figure VII-30), and opposing log deflectors over a sill log (Figure VII-32) have a standard cost of $2,250.00.

2. Boulder structures will consist of boulders of the size appropriate for the target stream flow and site. In most streams, boulders included in weirs, clusters, and the apex of the wing deflectors should be a minimum of 3-foot in diameter.

    a. With boulder weirs (Figure VII-21) or vortex boulder weirs (Figures VII-22, 23, 24) standard costs vary depending on the back full width of the stream, but are approximately $2,000.00 per structure.

    b. With boulder clusters (Figure VII-25) standard cost is $250.00 per boulder.

    c. With boulder wing deflectors (Figure-26) standard cost is $2,250.00 per wing deflector.

B. **Livestock exclusion fencing:** Fencing has a standard value of $5.00 per linear foot.

C. **Bank stabilization:** Stabilization projects have a standard value of $50.00 per linear foot of installed rock or bioengineering techniques (see example figure VII-48, VII-59 and VII-60 in the DFG *California Salmonid Stream Habitat Restoration Manual* - Third Edition).

D. **Rearing Projects:** Production costs used in evaluation of rearing proposals:

The following cost standards for rearing of salmon and steelhead have been established using information from past experience with cooperative rearing projects.
Adherence to these standards in establishing priority ratings will help control DFG cost for cooperatively reared fish and provided uniform cost criteria that can be applied to all proposed rearing projects.

1. DFG standard cost for rearing salmon are:

    A. fingerlings --------- $ 0.25/fish
    B. yearlings ---------- $ 1.00/fish

2. DFG standard cost used in evaluation of ocean – pen rearing of Chinook salmon, and rescued reared fish.

    A. Fingerlings, short-term (0 to 1 month) ocean pen-pen rearing of Chinook salmon and rearing of rescued fish. ---------- $ 0.25

    B. Yearlings, long term (2 to 6 month) ocean-pen-rearing of Chinook salmon. ----- $ 1.00

E. **Road erosion hazard inventory:** Up to $1,200.00 per mile.

F. **Sediment removal (deliverable to streams):** Up to $15.00 per cubic yard.

G. **Heavy Equipment:** DFG evaluators will compare proposed rates for heavy equipment budgeted with rental rates available in the project area from commercial rental vendors.

APPENDIX C

DEPARTMENT OF FISH AND GAME
ADDRESS AND TELEPHONE LIST

Native Anadromous Fish and Watershed Branch Program Headquarters 916-327-8840
830 S Street
Sacramento, CA 95814

Ms. Helen Birss, Staff Environmental Scientist, (hbirss@dfg.ca.gov)
Contracts and Grants Oversight 916-327-8842
Ms. Kimberly Karcher, Assoc. Governmental Programs Analyst, (kkarcher@dfg.ca.gov) 916-327-8849

Northern California - North Coast Region Headquarters 530-225-2300
601 Locust
Redding, CA 96001

Mr. Gary Stacey, ~~Se~~nior Fishery Biologist 530-225-2364
Mr. Mark Stopher, Environmental Services Supervisor 530-225-2275
Mr. Tim Burton, Senior Wildlife Biologist 530-225-2308
Mr. Phil Warner, Senior Fish Habitat Supervisor 530-225-2307
Mr. Kevin Gale, Fish Habitat Specialist, (Redding)
Contract Administrator 530-225-2462
Mr. Barry Collins, Senior Fishery Biologist (Specialist),
Monitoring and Data Management (Fortuna) 707-725-1068
Mr. Gary Flosi, Senior Fish Habitat Supervisor, (gflosi@dfg.ca.gov)
Habitat Evaluation (Fortuna) 707-725-1072
Mr. Jerry Ayers, Fish Hatchery Manager,
Fish Rearing Coordinator (Fortuna) 707-725-1058
Mr. Larry Preston, Associate Fishery Biologist (Eureka) 707-441-5736
Mr. John Schwabe, Fish Habitat Specialist (Eureka) Contract Administrator 707-441-2006
Mr. Mark Wheetley, Sr. Biologist Specialist, Watershed Planner (Fortuna) 707-725-7193
Mr. Dennis Maria, Associate Fishery Biologist (Yreka) 530-841-2552
Mr. Mark Elfgen, Fish Habitat Specialist (Yreka) Contract Administrator 530-841-2560
Mr. Bernie Aguilar, Associate Fishery Biologist (Lewiston) 530-778-0218
Mr. Jim Thompson, Fish Habitat Specialist (Lewiston) Contract Administrator 530-778-3625
Ms. Christine Ramsey, Fish and Wildlife Interpreter I (Fortuna) 707-725-1027
Ms. Michelle Gilroy, Associate Fishery Biologist (Eureka) 707-441-5791
Ms. Shirley Lipa, Assoc. Governmental Programs Analyst, (slipa@dfg.ca.gov) (Fortuna) 707-725-1028
Mr. David Scott, Assoc. Governmental Programs Analyst, (dscott@dfg.ca.gov) (Redding) 530-225-2921

Sacramento Valley - Central Sierra Region Headquarters 916-358-2900
1701 Nimbus Road
Rancho Cordova, CA 95670

Mr. Pat O'Brien, Senior Fishery Biologist 916-358-2935
Mr. Ralph Carpenter, Senior Fishery Biologist 916-358-2943
Mr. Larry Eng, Environmental Services Supervisor. 916-358-2919
Ms. Pat Perkins, Senior Wildlife Biologist 916-358-2868
Mr. Ron Bertram, Senior Wildlife Biologist 916-358-2869
Mr. Robert Mapes, Senior Wildlife Biologist 916-358-2883

Central Coast Region Headquarters 707-944-5500
7329 Silverado Trail
P.O. Box 47
Yountville, CA 94599

Mr. Bob Coey, Senior Fishery Biologist Supervisor, (BCoey@dfg.ca.gov)
CCR Program Coordinator 707-944-5582
Mr. Bob Snyder, Fish Habitat Supervisor 707-944-5535
Mr. Derek Acomb, Fishery Biologist,
Watershed Planner (Russian River-Hopland) 707-744-8713
Mr. Doug Albin, Associate Fishery Biologist,
Watershed Planner (Mendocino Coast-Fort Bragg) 707-964-7683
Ms. Gail Seymour, Associate Fishery Biologist,
Watershed Planner (North Bay) 707-944-5579
Mr. Alan Grass, Fish Habitat Specialist (North District) 707-743-1535
Ms. Margaret Roper, Associate Fishery Biologist
Watershed Planner (South Central Coast-Monterey) 831-842-8917
Mr. Marty Gingras, Associate Fishery Biologist
Watershed Planner (North Central Coast-Monterey) 831-649-2885
Ms. Erika Cleugh, Fishery Biologist
Watershed Planner (South Bay-Monterey) 831-649-7153
Mr. Dave Highland, Fish Habitat Specialist (South District) 805-466-0341
Mr. Gene Geary, Environmental Specialist (Permits/CEQA) 707-944-5573
Mr. Javier Gloria, Assoc. Governmental Programs Analyst, (jgloria@dfg.ca.gov) 707-944-5587

San Joaquin Valley - Southern Sierra Region Headquarters 559-243-4005
1234 E. Shaw Ave.
Fresno, CA 93710

Mr. Jerry Staley, Senior Fishery Biologist ..... 559-243-4005 ext. 154
Mr. Dale Mitchell, Environmental Services Supervisor 559-243-4014
Mr. Ed Smith, Senior Wildlife Biologist ..... 559-243-4005 ext. 131
Mr. Randy Kelly, Senior Fishery Biologist ..... 559-243-4005 ext. 174
or 559-928-3080

South Coast Region Headquarters 858-467-4201
4949 Viewridge Avenue
San Diego, CA 92123

Ms. Mary Larson, Senior Fishery Biologist (Specialist), (mlarson@dfg.ca.gov)
SCR Program Coordinator (Los Alamitos) 562-342-7186
Mr. John O'Brien, Associate Fishery Biologist, (jobrien@dfg.ca.gov
Watershed Planner (Los Alamitos) 562-342-7173
Mr. Dwayne Maxwell, Senior Fishery Biologist (Supervisor) 562-342-7152
Ms. Eileen Price, Office Technician, SCR Program Support 562-342-7150

APPENDIX D

PROPOSAL SCORING PROTOCOLS

Public School Watershed and Fishery Conservation Education Projects (ED)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal does not focus on anadromous salmonid conservation and watershed processes or does not include sufficient detail to allow cost analysis, score "0" for Total Score.
Please explain: _____

_____

Section One: Biological Conditions and Need (16 points possible) **Score**

Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

A. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

B. (Item B pts. / Item A pts.) = _____ / _____ x 10 (max 10 pts) = _____ (C)

Listed species currently or historically present: (4 pt endangered, 2 pts threatened, 1 candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Technical Merit (34 points possible)

Extent the curriculum or proposed activity addresses local watershed conditions. (0 - 5 pts.)
Are there DFG-acceptable methods taught? (yes = 5 pts., no = 0 pts.) _____

Does the curriculum correspond with California Content Standards and/or National Science Content Standards? (yes = 5 pts., no = 0 pts.) _____

Limiting factors addressed: (1 pt. each, maximum 9 pts.)
Water Quality _____ Water Quantity _____ Riparian _____ Sediment _____
Spawning Habitat _____ Rearing Habitat _____ Estuary _____ Passage _____
Life Cycles _____ Upslope _____ _____

Number of persons trained (1pt. for each 10 persons, maximum 10 pts.) _____

Total Section Two _____

Section Three: Effectiveness Evaluation (25 points possible)

Is there a self evaluation plan (If no score, "0" for this section) _____

Degree to which evaluation measures effectiveness. (0 - 15 pts.) _____
Is this a new organization, effort, or responsibility in this watershed? (10 pts.) _____

Total Section Three _____

Section Four: Cost/Benefit Acceptance (25 points possible)

Total Project Cost Acceptable? (yes = 5 pts., no = 0 pts.) _____
If no, describe how: _____

_____

Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Four _____

TOTAL SCORE (100 pts possible) **(_____)**

Habitat Acquisition and Conservation Easements (HA)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Watershed does not contain anadromous salmonid populations or habitat resources, lacks an appraisal or proposal is lacking sufficient detail to allow cost analysis score "O" for Total Score:
Please explain: _____

_____

Section One: Biological Conditions and Need (16 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 points each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 10 (max 10 pts) = _____ (C)

Listed species currently or historically present: (4 pt endangered, 2 pts threatened, 1 candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (39 points possible)

A. Would project benefit or improve (10 pts each):
Critical wintering, summering, or migratory habitat for anadromous salmonids _____
Excellent representative examples of specific species habitats and habitat linkages _____
Critical buffer zones with critical parts for maintaining ecosystem functions _____

Would project reduce or eliminate keystone limiting factors within watersheds (1 pt each, max. 9 pts.)

Water Quantity _____ Water Quality _____ Riparian Dysfunction _____
Excessive Sediment _____ Spawning Habitats _____ Summer Rearing _____
Estuary/Lagoon _____ Passage _____ Entrainment _____ Other _____

Sub-Total Section 2A _____

B. Sites with low viability and natural condition typically: (2 pts. for each)
Have little, if any, remaining natural vegetation _____
Have marginal or poorly reproducing populations of the target species _____
Have substantial infestations of invasive plants that are difficult to control _____
Have substantial soil disturbance _____
Are frequently used by people for activities that are detrimental or disturbing to wildlife _____
Are small parcels that are surrounded by urban, residential, or agricultural lands, especially in rapidly developing areas _____
Are small parcels that are surrounded by lands with disturbed soil or vegetation, high detrimental human use, or other threats
Have flow regimes which have been severely altered with high potential for continued alteration _____

Sub-Total Section 2B _____

Total (2A minus 2B) _____

Total Section Two _____

Habitat Acquisition and Conservation Easements (HA) Cont.

Section Three: Cost/Benefit Acceptance (45 points possible) **Score**

A. Proposer has included formal management agreement, easement language, or MOU (10 points) _____

Proposer has proven track record for managing and acquiring property or water (10 points) _____

Proposer is an established organization and has proven track record for managing finances (5 points) _____

If no to any of the above, describe why: _____

_____

Sub-Total Section 3A _____

B. Management Constraints **-** Site with fewer constraints on the agencies' or organizations ability to manage, or assist in management, score higher than sites with many such constraints. Constraints include: (minus 2 pts. for each)

Significant obstacles to maintaining or restoring water quality (toxics, pesticides, salts) _____

Restrictive water rights issues _____

Short term lease of water to be left in streams for fish use _____

Restrictive cultural or historical resources which conflict with restoration or mgt. goals _____

Hazardous conditions or materials _____

High potential for theft, vandalism, or public use conflicts which may affect management of the property _____

Restrictive deeds, easements, or other agreements that would limit mgt. or restoration _____

Inadequate access for management purposes _____

In-holdings or property boundaries that limit or preclude management options _____

Sub-Total Section 3B _____

Total (A minus B) _____

Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Three _____

TOTAL SCORE (100 pts possible) **(_____)**

Passage (HB-stream crossings, FL)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal not biologically sound or project is lacking sufficient detail to allow cost analysis score "O" for Total Score:
Please explain: _____

Section One: Biological Conditions and Need (26 points possible) **Score**

Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

A. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

B. (Item B pts. / Item A pts.) = _____ / _____ x 20 (max 20 pts) = _____

C. Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (49 points possible)

A. Extent of barrier for adult anadromous, resident salmonids, & juvenile salmonids _____

Barrier Category	Definition	Score
Temporal	Impassable to all fish at certain flow conditions.	5
Partial	Impassable to some fish species and/or life stages at all flows.	10
Total	Impassable to all fish at all flows.	15

B. Habitat quantity above each crossing; 0.5 pt for each 500 feet of stream to the limit of anadromy) (max 10 pts.) _____

C. Habitat quantity above crossing; (1.0 pt Excellent, 0.75 Good. 0.5 pt Fair, 0.25 Poor) _____

D. (Item B pts. x Item C pts.) = _____ x _____ (max 10 pts.) = _____

E. Crossing sizing for flow event (risk of failure of existing crossing) (0 pt. for 100-yr flow; 1 pt. for 50-yr flow; 2 pts. for 25-year + flow; 3 pts. for 10-yr + flow; 4 pts. for <10-yr flow; 5 pts. <5-yr flow) _____

F. Current Condition of Crossing (0 pt. Good; 2 pts. Fair; 4 pts. Poor; 6 pts. Extremely Poor) _____

G. Absence of other stream crossing barriers (7 pts.), **or** if multiple crossings exist, is there a coordinated plan to identify and treat them in a logical manner? (4 pts), **or** Multiple crossings with no plan (0 pt.) _____

H. Adult **and/or** juvenile salmonids observed below crossings? (3 pts. each; max 6 pts.) _____

Total Section Two _____

Section Three: Cost/Benefit Acceptance (25 points possible)

A. Total project cost acceptable? (Yes = 5 pts., No = 0 pts.) _____
If no, describe why: _____

B. Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Three _____

TOTAL SCORE (100 points possible) **(_____)**

Instream Projects (HI-HS-CF- HB (other than stream crossings) and PM)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal not biologically sound or project is lacking sufficient detail to allow cost analysis score "O" for Total Score:
Please explain: _____

_____

Section One: Biological Conditions and Need (26 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 20 (max 20 pts) = _____ (C)

Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (49 points possible)

A. Identified keystone limiting factors within watershed: (1 pt. each impact, maximum 10 points)

Water Quantity _____ Water Quality _____ Riparian Dysfunction _____
Excessive Sediment _____ Spawning _____ Over-winter habitat _____
Summer Rearing _____ Escape Cover _____ Estuary/Lagoon _____
Passage _____ Other _____

and

B. Potential benefit of project to above keystone limiting factors: (1 pt. each benefit, maximum 10 points)

Water Quantity _____ Water Quality _____ Riparian Dysfunction _____
Excessive Sediment _____ Spawning _____ Over-winter habitat _____
Summer Rearing _____ Escape Cover _____ Estuary/Lagoon _____
Passage _____ Other _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 30 (max 30 pts) = _____ (C)

Follows Manual or Acceptable Protocol: Yes 10 pts. _____ No 0 pt. _____ _____

Project will affect limiting factors in a timely manner: 9 - 7 - 5 - 3 - 1 _____
(See Matrix on page D19)

Total Section Two _____

Section Three: Cost/Benefit Acceptance (25 points possible) _____
Total Project Cost Acceptable? (Yes = 5 pts., No = 0 pt.) _____
If no, describe why: _____

_____

Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Three _____

TOTAL SCORE (100 points possible) **(_____)**

Upslope Restoration (HU-HR-CF)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal not biologically sound or project is lacking sufficient detail to allow cost analysis score "O" for Total Score:
Please explain: _____

_____

Section One: Biological Conditions and Need (26 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 20 (max 20 pts) = _____ (C)

Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (49 points possible)

A. Identified keystone limiting factors within watershed: (1 pt. each impact, maximum 10 points)

Water Quantity _____ Water Quality _____ Riparian Dysfunction _____
Excessive Sediment _____ Spawning _____ Over-winter habitat _____
Summer Rearing _____ Escape Cover _____ Estuary/Lagoon _____
Passage _____ Other _____

and

B. Potential benefit of project to above keystone limiting factors: (1 pt. each benefit, maximum 10 points)

Water Quantity _____ Water Quality _____ Riparian Dysfunction _____
Excessive Sediment _____ Spawning _____ Over-winter habitat _____
Summer Rearing _____ Escape Cover _____ Estuary/Lagoon _____
Passage _____ Other _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 30 (max 30 pts) = _____ (C)

Follows Manual or Acceptable Protocol: Yes 10 pts. _____ No 0 pt. _____ _____

Project will affect limiting factors in a timely manner: 9 - 7 - 5 - 3 - 1 _____
(See Matrix on page D19)

Total Section Two _____

Section Three: Cost/Benefit Acceptance (25 points possible)

Total Project Cost Acceptable? (Yes = 5 pts., No = 0 pt.) _____
If no, describe why: _____

_____

Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Three _____

TOTAL SCORE (100 points possible) **(_____)**

Effectiveness Monitoring (MO) and Monitoring Projects (MD)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal not biologically sound or project is lacking sufficient detail to allow cost analysis score "O" for Total Score:
Please explain: _____
_____

Section One: Biological Conditions and Need (26 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

then

C. (Item B pts. / Item A pts.) = _____ / _____ x 20 (max 20 pts) = _____

D. Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (49 points possible)
Is proposer qualified to carry out monitoring project? Yes _____ No _____ (If no *reject proposal and attached written reasons for rejection).*

A. Limiting factors measured: _____
(3 pts. high, 1 pt. low, 0 pt. none; max 24 points)
Water Quality _____ Water Quantity _____ Riparian _____ Spawning _____
Passage____ Entrainment _____ Rearing Habitat _____
Other _____

B. DFG acceptable protocols used _____
(2 pts. each; maximum 16 points):
Aerial Photo Analysis _____ Stream Habitat Inventory _____ Temperature _____
Sediment Sampling _____ Channel Monitoring _____ V-star _____
Spawner Survey _____ Juvenile Biological Sampling _____
Structure Evaluation _____ Other (list) _____

Ability to complete acceptable data collection within the proposed time frame: 9 - 7 - 5 - 3 - 1 _____

Total Section Two _____

Section Three: Cost/Benefit Acceptance (25 points possible)
Total Project Cost Acceptable? (Yes = 5 pts., No = 0 pt.) _____
If no, describe how to make costs acceptable: _____
_____

Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Three _____

TOTAL SCORE (100 points possible) **(_____)**

Watershed Organization and Support (OR)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal does not focus on anadromous salmonid conservation and watershed processes or does not include sufficient detail to allow cost analysis, score "0" for Total Score.
Please explain: _____

Section One: Biological Conditions and Need (16 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 20 (max 20 pts) = _____ (C)

Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (34 points possible)
Measurable activities included in proposal (2 pts. each, maximum 14 points):
Develop landowner access _____ Organize technical training _____ Hold regular meetings _____
Organize volunteer activities _____ Conduct surveys using DFG accepted protocols _____
Develop project proposals _____ Develop landowner cooperation leading to watershed plan _____
Organize educational activities _____ Other (List) _____ _____

Watershed issues addressed: (1 pt each; maximum 10 points):
Water Quantity _____ Water Quality _____ Riparian Dysfunction _____ Excessive Sediment _____
Over-winter habitat _____ Summer Rearing _____ Escape Cover _____ Spawning _____
Estuary/Lagoon _____ Passage _____ Other _____ _____
Percentage of watershed included in proposal (1pt. for each 10%) _____

Total Section Two _____

Section Three: Effectiveness Evaluation (25 points possible)
IF AN ONGOING EFFORT: Is there a status report included? Yes _____ No _____
(If no score 0 for section total) _____

For existing groups: Rate the past performance of the group
on the above deliverables (0-5) _____
For existing groups: has the past activities led to on the
ground restoration or proposals (0-5) _____
Is this a new organization: Is this a new effort, or
responsibility in this watershed? (15 pts.) _____
Percentage of cooperative landowners (1pt. for each 10%) _____

Total Section Three _____

Section Four: Cost/Benefit Acceptance (25 points possible)
Total Project Cost Acceptable? (yes = 5 pts., no = 0 pts.) _____
If no, describe how: _____

Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Four _____
TOTAL SCORE (100 points possible) **(_____)**

Public Involvement and Capacity Building (PI)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal does not focus on anadromous salmonid conservation and watershed processes or does not include sufficient detail to allow cost analysis, score "0" for Total Score.
Please explain: _____

_____

Section One: Biological Conditions and Need (16 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 10 (max 10 pts) = _____ (C)

Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (34 points possible)
Measurable activities included in proposal (2 pts. each, maximum 14 points):
Establish landowner access _____ Organize technical training _____ Hold regular meetings _____
Organize volunteer activities _____ Conduct surveys using DFG accepted protocols _____
Develop project proposals _____ Develop watershed orregional plan _____
Implement recommendations of watershed or regional plan _____ Organize educational activities _____
Other (List) _____ _____

Watershed issues addressed: (1 pt each; maximum 10 points):
Water Quantity _____ Water Quality _____ Riparian Dysfunction _____ Excessive Sediment _____ Spawning _____
Over-winter habitat _____ Summer Rearing _____ Escape Cover _____ Estuary/Lagoon _____ Passage _____
Other _____ _____

Is proposal based on recommendations of an established watershed or recovery plan or planning effort? (10 points) _____

Total Section Two _____

Section Three: Effectiveness Evaluation (25 points possible)
IF AN ONGOING EFFORT: Is there a status report included? Yes _____ No _____
(If no score 0 for section total) _____

For existing groups: Rate the past performance of the group on the above deliverables (0-5) _____
For existing groups: has the past activities led to on the ground restoration or proposals (0-5) _____
Is this a new organization: Is this a new effort, or responsibility in this watershed? (15 pts.) _____

Degree to which proposal meets recommendations of above established watershed or recovery plan or planning effort. (0-10 points) _____

Total Section Three _____

Public Involvement and Capacity Building (PI) Cont.

Section Four: Cost/Benefit Acceptance (25 points possible)

Total Project Cost Acceptable? (yes = 5 pts., no = 0 pts.) _____

If no, describe how: _____

_____

Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Four _____

TOTAL SCORE (100 points possible) **(_____)**

Watershed Evaluation, Assessment, and Planning (PL)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal not biologically sound or project is lacking sufficient detail to allow cost analysis score "O" for Total Score:
Please explain: _____
_____

Section One: Biological Conditions and Need (26 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 20 (max 20 pts) = _____ (C)

Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (49 points possible)

A. Potential of proposal to identify below keystone limiting factors within watershed: (1 pt. each impact, max. 9 points)

Water Quantity _____ Water Quality _____ Riparian Dysfunction _____ Excessive Sediment _____
Spawning _____ Over-winter habitat _____ Summer Rearing _____ Escape Cover _____
Estuary/Lagoon _____ Passage _____ Other _____

_____

B. DFG acceptable protocols proposed to address above limiting factors (1-2 pts. each, maximum 10 points):

Aerial Photo Analysis _____ Road Inventory _____ Stream Habitat Inventory _____ Riparian Inventory _____
Temperature _____ Sediment Sampling _____ Bio-assessment _____ Channel Profile _____
Other (list) _____

_____

Develop complete watershed plan as described on Pages 14-15, score "10" points:
Conduct specific assessment based on a watershed plan acceptable to DFG: Score "8" points
Specific assessment for ranch type plan acceptable to DFG: Score "5" points
Specific assessment not based on **any** previous planning effort: Score "O" points _____
Percentage of watershed included in proposal (1 pt. for each 10%) _____
Percentage of landowners willing to cooperate (1 pt. for each 10%) _____

Total Section Two _____

Section Three: Cost/Benefit Acceptance (25 points possible)
Total Project Cost Acceptable? (Yes = 5 pts., No = 0 pt.) _____
If no, describe why: _____
_____
Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Three _____

TOTAL SCORE (100 points possible) **(_____)**

Cooperative Rearing (RE)
Priority Rating System for Cooperative Salmonid Rearing Project Proposals

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal not biologically sound; does not have matching funds; does not have necessary permits, including 5-year plan; or lacks sufficient detail to allow cost analysis score "O" for Total Score: Please explain: _____

_____

Section One: Biological Conditions and Need (25 points possible) **Score**

A. Objective of project: Restoration ____ (20 points) Production ___ (10 point)
(If project is for the purpose of production, the project may be reviewed by Grant Program other than the Coastal Program.) _____

B. Native listed species being raised OR currently or historically present:
(5 pt endangered, 2 pt threatened, 1 candidate, 0 none)
Chinook_____Coho_____Steelhead_____ _____

Total Section 1 _____

Section Two: Project Focus (30 points possible)

A. Project progeny are used for educational programs:
Yes _____(5 points) No _____ (0 points) _____

B. Percent of the of the released fish that are marked
(1 pt. each 20% maximum 5 points) _____

C. Are DFG approved monitoring protocols conducted annually concurrent with this project?
(maximum 5 points) _____

D. Extent to which habitat restoration occurring concurrently or planned within target stream?
(5 - 4 - 3 - 2 -1- 0, maximum 5 points) _____

E. For New Projects (0 to 5 years)
Is adult populations trend data for target stream demonstrating a decline ?
(yes: 10 points, no; 0 points) _____

F. For Existing Projects (6 to 10years)
Extent to which projects demonstrates a change in the downward population trend:
(10 points increasing trend) (5 points stable trend) (0 points downward trend) _____

Total Section Two _____

Section Three: Technical Merit of Proposed Project (20 points possible)

A. Does facility meet DFG standards (Yes 10 points, if no 0 points) _____

B. Does facility have proven water supply (Yes 10 points, if no 0 points) _____

Total Section Three _____

Section Four: Cost/Benefit Acceptance (25 points possible)

Do production goals meet cost standards? (yes = 5 pts., no = 0 pts.) _____
If no, describe why: _____

_____

Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____
Total Section Four _____

TOTAL SCORE (100 points possible) **(_____)**

Fish Screens (SC)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal not biologically sound or project is lacking sufficient detail to allow cost analysis score "O" for Total Score:
Please explain: _____

_____

Section One: Biological Conditions and Need (26 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 20 (max 20 pts) = _____ (C)

Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (49 points possible)

A. Fish screen meet DFG and NMFS criteria for the following: (3 pts. each, maximum 15 points)
Structure Placement _____ Approach Velocity _____ Sweeping Velocity _____ Screen Openings _____
Bypass Design _____ _____

B. Project components for fish screen projects: (3 pts. each, maximum 15 points)

Screen will be operated during peak of juvenile migration. _____
Water diversion to be screened, captures more than 25% of flow during peak juvenile migration. _____
Fish loss in water diversion has been documented by qualified biologist. _____
A water control structure is in place at the diversion heading or will be built as part of the project. _____
Water right has been determined and will be monitored by flow gauge at screen. _____

Project will affect limiting factors in a timely manner: 9 - 7 - 5 - 3 - 1 _____
(See Matrix on page D19)

Rate quality and quantity of habitat upstream of this project 5 - 3 - 1 _____
Maintenance responsibilities of the fish screen has been assigned (Yes = 5 pts., No = 0 pt.) _____

Total Section Two _____

Section Three: Cost/Benefit Acceptance (25 points possible)
Total Project Cost Acceptable? (yes = 5 pts., no = 0 pts.) _____

If no, describe how: _____

_____

Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Three _____

TOTAL SCORE (100 points possible) **(_____)**

Private Sector Technical Training and Education Projects (TE)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal does not focus on anadromous salmonid conservation activities or project lacking sufficient detail to allow cost analysis, score "0" for Total Score.
Please explain: _____

_____

Section One: Biological Conditions and Need (16 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 10 (max 10 pts) = _____ (C)

Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Technical Merit (34 points possible)

DFG acceptable protocols taught: (2 pts. each, maximum 14 points)
Aerial Photo Analysis _____ Stream Habitat Inventory _____ Temperature _____ Sediment Sampling _____
Channel Profile _____ Spawner Survey _____ Juvenile Biological Sampling _____ Structure Evaluation _____
V-star _____ DFG Manual Part Seven Implementation Methods _____ Road Inventory _____
Other (list) _____

_____

Limiting factors addressed: (2 pts. each, maximum 10 pts.)
Water Quality _____ Water Quantity _____ Riparian _____ Sediment _____ Spawning Habitat _____
Rearing Habitat _____ Estuary _____ Passage _____ Life Cycles _____ Upslope _____

_____

Number of persons trained (1pt. for each 10 persons, maximum 10 pts.) _____

Total Section Two _____

Section Three: Effectiveness Evaluation (25 points possible)

Is there an evaluation plan (yes = 10 pts., no = 0 pts.) _____
Degree to which evaluation measures effectiveness. (0 - 10 pts.) _____
Is this a new organization, effort, or responsibility in this watershed? (5 pts.) _____

Total Section Three _____

Section Four: Cost/Benefit Acceptance (25 points possible)

Total Project Cost Acceptable? (Yes = 5 pts., No = 0 pt.) _____
If no, describe why: _____

_____

Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Four _____

TOTAL SCORE (100 points possible) **(_____)**

Tailwater Management (TW)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal not biologically sound or project is lacking sufficient detail to allow cost analysis score "O" for Total Score:
Please explain: _____
_____

Section One: Biological Conditions and Need (26 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 20 (max 20 pts) = _____ (C)

Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (49 points possible)

A. Impact of the project on the following limiting factors: (3 pts. high, 1 pt. low, 0 pt. none, maximum 16 points)

Water Quality _____ Water Quantity _____ Riparian _____ Spawning _____
Passage _____ Entrainment _____ Rearing Habitat _____ Other _____

B. Project components for tail water projects: (3 pts. each)

Project will incorporate a water reuse system. _____
The amount and characteristics of the tail water produced in this system has been determined. _____
The system will be protected by a long term operation agreement. _____

Project will affect limiting factors in a timely manner: 9 - 7 - 5 - 3 - 1 _____
(See Matrix on page D19)

Rate quality and quantity of habitat enhance by this project: 5 - 3 - 1 _____
Maintenance responsibilities of the fish screen has been assigned (Yes = 5 pts., No = 0 pt.) _____
Constant supervision by DFG will be needed to insure water operational commitments are met (No = 5 pts., Yes = 0 pt.) _____

Total Section Two _____

Section Three: Cost/Benefit Acceptance (25 points possible)
Total Project Cost Acceptable? (yes = 5 pts., no = 0 pts.) _____
If no, describe how: _____
_____
Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Three _____

TOTAL SCORE (100 points possible) **(_____)**

Water Conservation Measures (WC) and Water Purchase (WP)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal not biologically sound or project is lacking sufficient detail to allow cost analysis score "O" for Total Score:
Please explain: _____
_____

Section One: Biological Conditions and Need (26 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 20 (max 20 pts) = _____
(C)

Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (49 points possible)

A. Impact of the project on the following limiting factors: (3 pts. high, 1 pt. low, 0 pt. none, maximum 15 points)

Water Quality _____ Water Quantity _____ Riparian _____ Spawning _____
Passage _____ Entrainment _____ Rearing Habitat _____ Other _____

B. Project components for tail water projects: (3 pts. each)

There is a binding agreement in place to insure that the water left in the stream will be left and not captured by downstream users. _____
Water can be gauged to insure delivery quantities. _____
The system will be protected by a long term operation agreement. _____
Water delivery agreements will be structured to allow for adjustments for additional fishery needs in dry years. _____

Project will affect limiting factors in a timely manner: 9 - 7 - 5 - 3 - 1 _____
(See Matrix on page D19)

Rate quality and quantity of habitat enhance by this project: 5 - 3 - 1 _____
Maintenance responsibilities of the water measuring devise has been assigned. (Yes = 4 pts., No = 0 pt.) _____
Constant supervision by DFG will be needed to insure water operational commitments are met. (No = 4 pts., Yes = 0 pt.) _____

Total Section Two _____

Section Three: Cost/Benefit Acceptance (25 points possible)

Total Project Cost Acceptable? (yes = 5 pts., no = 0 pts.) _____
If no, describe how: _____
_____
Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Three _____

TOTAL SCORE (100 points possible) **(_____)**

Water Measuring Devices (WD)

Proposal # _____ Proposal Name _____
Date _____ Raters _____ Region _____

Proposal not biologically sound or project is lacking sufficient detail to allow cost analysis score "O" for Total Score:
Please explain: _____
_____

Section One: Biological Conditions and Need (26 points possible) **Score**

A. Anadromous salmonid species currently or historically present: (1 point each)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

and

B. Anadromous salmonid species restorable or currently present: (1 pt each species)
Chinook _____ Coho _____ Steelhead _____ Cutthroat _____

C. (Item B pts. / Item A pts.) = _____ / _____ x 20 (max 20 pts) = _____ (C)

Listed species currently or historically present: (4 pts. endangered, 2 pts. threatened, 1 pt. candidate)
Chinook _____ Coho _____ Steelhead _____ _____

Total Section One _____

Section Two: Project Focus and Technical Merit of Project (49 points possible)

A. Impact of the project on the following limiting factors: (3 pts. high, 1 pt. low, 0 pt. none, maximum 15 points)

Water Quality _____ Water Quantity _____ Riparian _____ Spawning _____
Passage _____ Entrainment _____ Rearing Habitat _____ Other _____

B. Project components for water measuring projects: (3 pts. each)

Project will incorporate an acceptable and accurate water measuring system. _____
Gauges will be monitored using an acceptable protocol. _____
The system will be protected by a long term agreement. _____

Project will affect limiting factors in a timely manner: 9 - 7 - 5 - 3 - 1 _____
(See Matrix on page D19)

Rate quality and quantity of habitat enhance by this project: 5 - 3 - 1 _____
Maintenance responsibilities of the water measuring devise has been assigned. (Yes = 4 pts., No = 0 pt.) _____
Constant supervision by DFG will be needed to insure water measurements are completed correctly. (No = 5 pts., Yes = 0 pt.) _____

Total Section Two _____

Section Three: Cost/Benefit Acceptance (25 points possible)

Total Project Cost Acceptable? (yes = 5 pts., no = 0 pts.) _____
If no, describe how: _____
_____
Matching Funds (See matrix, Page D20) (Score 1 - 20 pts.) _____

Total Section Three _____

TOTAL SCORE (100 points possible) **(_____)**

Scoring Matrix

Timeliness in Effecting Limiting Factors

(choose the point value where Timeliness and Benefit of proposed project intersect)

TIMELINESS	Low Benefit 1 Point	Medium Benefit 2 Points	High Benefit 3 Points
1 Year	3 Points	6 Points	9 Points
	2 Points	4 Points	6 Points
15 Years	1 Point	2 Points	3 Points

BENEFITS

MATCHING FUNDS SCORING MATRIX
FOR 2003-2004 SOLICITATION

% Match	Match Funding Score (choose one)		
	Match not Suitable	Soft Match	Hard Match
90-99 %	0	10	20
80-89 %	0	9	18
70-79 %	0	8	16
60-69 %	0	7	14
50-59 %	0	6	12
40-49 %	0	5	10
30-39 %	0	4	8
20-29 %	0	3	6
10-19 %	0	2	4
5- 9 %	0	1	2

% Match = (Matching Funds / Total Project Cost) x 100
(_____ / _____) x 100 = _____

Suitability of Match

Examples of suitability of match

0 - Match not suitable
1 - Soft match:
- **salaries of permanent funded government employee**
- **office space**

2 - Hard match:
- **materials**
- **equipment**
- **cash**

APPENDIX E

FUNDING SOURCES

The following information on funding sources and grant funding available from each of them is provided only for information. *This information was based on funding that was available for grants during the prior 2002-2003 fiscal year*. Do not apply for a specific funding source. Assignment to an appropriate funding source takes place after projects receive approval for funding. PROJECTS WITH FEDERAL COST SHARE MUST INDICATE THE SOURCE AND DOLLAR AMOUNT ON THE LAST TWO LINES OF THE PROPOSAL BUDGET. FAILURE TO PROVIDE THIS INFORMATION WHEN APPLICABLE MAY BE CONSIDERED NON-RESPONSIVE AND/OR RESULT IN THE WITHDRAWAL OF FUNDING APPROVAL.

DFG may use other funding sources as they are identified during the funding cycle and direct them to projects. Any identified funds will be directed in order of evaluation score, or in accordance with special constraints on expenditures, if they exist, for a particular funding source.

Commercial Salmon Stamp Account

Funds generated through the sale of commercial salmon stamps, may be granted to projects to restore salmon populations through habitat improvement or fish rearing, and to projects which provide public education on the importance and biology of salmon. Proposals for salmon restoration that meet Solicitation requirements are reviewed by the Commercial Salmon Trollers Advisory Committee, and the members make funding recommendations to DFG. DFG may not fund projects not recommended by the Committee from this source.

Steelhead Catch Restoration Card

Proposals for steelhead habitat restoration and enhancement projects throughout California may be considered for funding from *Steelhead Trout Catch Report-Restoration Card* revenue. Steelhead restoration proposals meeting Solicitation requirements will be submitted to the Steelhead Subcommittee of the California Advisory Committee on Salmon and Steelhead Trout, and the subcommittee members will make funding recommendations to DFG. Up to $96,000 was made available for grants in the 2002/2003 fiscal year. Funding level depended in part on card sales.

Project objectives must be consistent with existing watershed plans and management plans. Proposals encompassing more than steelhead restoration will receive consideration for funding from card revenue only for the steelhead restoration portions of the proposals.

Consideration will be given to proposals to develop watershed plans for drainages lacking basin restoration plans. These proposals must be for creation of steelhead habitat restoration plans based on a watershed approach that includes landowner involvement in long-term planning, as well as economic, social, physical, and biological factors. Again, this funding source will only consider supporting the steelhead restoration portions of watershed plan development proposals. All plan-development proposals must clearly demonstrate how proposal implementation will provide steelhead restoration at the watershed level.

Projects that adhere to the management objectives outlined in the DFG publication *Steelhead Restoration and Management Plan for California* will be given a higher priority and may have greater likelihood for favorable funding recommendation by the subcommittee.

Public Resources Code Section 6217.1

This code section describes various funding sources used for funding anadromous salmonid habitat restoration activities. The following shows these sources and the amounts made available in the prior 2002/2003 fiscal year:

- Salmon and Steelhead Trout Restoration Account (Proposition 40)
    - Approximately $6.6 million from this account was made available for grants in fiscal year 2002/2003.
- Coastal Watershed Salmon Habitat Subaccount (Proposition 13)
    - Approximately $3.1 million from this account was made available for grants in fiscal year 2002/2003.
- Federal Funding
    - Approximately $16.4 million from this account was made available for grants in fiscal year 2002/2003.

APPENDIX F

Department of Fish and Game Code, Fish and Game Commission Policies, and Public Resources Code References

The following excerpts from the Fish and Game Code, Fish and Game Commission, and Public Resources Code are presented as guidance in preparing cooperative rearing project proposals.

Article 6. Cooperative Salmon and Steelhead Rearing Facilities

§1200. Rearing facilities; agreements.
The Department is authorized to enter into agreements with counties, nonprofit groups, private persons, individually or in combination, for the management and operation of rearing facilities for salmon and steelhead. All such agreements shall be in accordance with the policies of the commission and the criteria of the Department which govern the operation under such agreements.

The purpose for operating such facilities shall be to provide additional fishing resources and to augment natural runs.

§1201. Financial ability; demonstration.
An applicant who wishes to enter into an agreement to operate a rearing facility shall demonstrate, to the satisfaction of the Department prior to executing such agreement, such applicant's financial ability to properly operate the rearing facility. The Department shall develop and specify the means for an applicant to make such a demonstration.

§1202. Fish; when property of State.
All fish handled or released under authority of this article are the property of the State and may be taken only after their release into the wild and under the authority of a sport or commercial fishing license.

§1203. Fish release in accordance with policy.
The release of fish reared in facilities pursuant to this article shall be made in accordance with the policy of the commission.

§1204. Funding.
The Department shall fund the agreements provided for in Section 1200 only on a matching basis with the person or entities that enter into such agreements. Funds appropriated for the purposes of this article shall not be used to purchase equipment or for construction.

The Department shall be reimbursed from funds appropriated for the purposes of this article for administrative costs, legal costs, and supervisorial costs relating to the execution and supervision of such agreements by the Department.

§1205. Department responsibilities as to fish size, etc. according to agreement.
The Department shall, subject to the limitations of appropriate egg sources and funding, make available fish of appropriate size and species to persons or entities that enter into agreements pursuant to this article.

§1206. Salmon, etc. release at Point Conception.
Salmon and steelhead raised pursuant to this article shall be released in streams, rivers, or waters; north of Point Conception and upon release shall have unimpeded access to the sea.

Fish and Game Commission Policies
Cooperatively Operated Rearing Programs for Salmon and Steelhead

It is the policy of the Fish and Game Commission that:

1. The State's salmon and steelhead resources may be used to support cooperative rearing programs. Rearing programs may be of two types: 1) those that grow fish for use in accelerating the restoration/rehabilitation of depleted wild populations in under seeded habitat and 2) those that are dedicated solely to growing fish for harvest. The following constraints apply to both types:

   A. Only those fish surplus to the needs of DFG programs shall be utilized for such programs and allocation shall be based on past performance and DFG's evaluation of the potential of proposed new programs.

   B. The suitability and acceptance or rejection of proposed programs shall be determined by DFG, after reviewing a written proposal. A written project and management plan providing for evaluation and covering a period of five years must be evaluated and approved by DFG. Prior to reauthorization, DFG must determine that the project is in compliance with the approved plan and continuance of the program is in the best interest of the State's fishery resources.

   C. Routine care and food costs shall be the financial responsibility of the sponsoring entity. DFG shall provide technical advice and special assistance as appropriate.

   D. Fish raised in these programs shall not be stocked in, or brood stock captured from, waters where DFG has determined that adverse effect to native fish populations or other aquatic species may result.

2. The bulk of the State's salmon and steelhead resources shall be produced naturally. The State's goals of maintaining and increasing natural production take precedence over the goals of cooperatively operated rearing programs.

6217.1. (a) This section and the process described in this section governs the expenditure of any funds received by the State of California from the federal government for the purposes of salmon and steelhead trout conservation and restoration, the expenditure of funds authorized for the Coastal Watershed Salmon Habitat Program pursuant to Article 7 (commencing with Section 79104.200) of Chapter 6 of Division 26 of the Water Code, and the expenditure of funds appropriated to the Department of Fish and Game for salmon and steelhead trout conservation and restoration from the California Clean Water, Clean Air, Safe Neighborhood Parks, and Coastal Protection Fund pursuant to Article 5 (commencing with Section 5096.650) of Chapter 1.696 of Division 5 of the Public Resources Code.

(b) For purposes of this section, "project" means an activity that improves fish habitat in coastal waters utilized by salmon and anadromous trout species.

(c) (1) The Department of Fish and Game shall grant funds from the Salmon and Steelhead Trout Restoration Account in the Resources Trust Fund, as follows:

(A) At least 87.5 percent of the funds shall be allocated as project grants through the existing grant program operated by the fisheries management program of the Department of Fish and Game.

(B) Not more than 12.5 percent of the funds may also be used for project contract administration activities and biological support staff.

(2) (A) A project shall require the consent of a willing landowner, and emphasize the development of coordinated watershed improvement activities.

(B) Projects that restore habitat for salmon and anadromous trout species that are eligible for protection as listed or candidate species under state or federal endangered species acts shall be given top funding priority.

(C) Projects shall be cost-effective and treat causes and not symptoms of fish habitat degradation. Projects may implement instream, riparian, water quality, water quantity, and watershed prescriptions and shall be designed to restore the structure and function of fish habitat.

(3) Any grant funds allocated to a project that exceed the actual cost of completing the project shall be returned to the Salmon and Steelhead Trout Restoration Account.

(d) (1) A citizen's advisory committee shall be appointed by the Director of Fish and Game to give advice on the grant program.

(2) The advisory committee shall consist of seven representatives recommended by the California Advisory Committee on Salmon and Steelhead Trout, one representative from the agriculture industry, one representative from the timber industry, one representative of public water agency interests, one academic or research scientist with expertise in anadromous fisheries restoration, and three county supervisors from coastal counties in which anadromous trout exist. The county supervisor members shall be recommended by the California State Association of Counties.

(3) The advisory committee shall provide oversight of, and recommend priorities for, grant funding under this section. In making funding decisions, the Department of Fish and Game shall consider the project selection priorities established by the advisory committee.

(4) Members of any advisory committee established for these purposes shall be reimbursed for travel and incidental expenses related to the performance of their duties under this section. Reimbursement for the advisory committee created pursuant to this section shall be made from the funds designated in subparagraph (B) of paragraph (1) of subdivision (c). Reimbursement for other Department of Fish and Game salmon and steelhead trout advisory committees shall be funded by appropriate sources.

(5) If a member of the advisory committee, or a member of his or her immediate family, is employed by a grant applicant, the employer of a grant applicant, or a consultant or independent contractor employed by a grant applicant, the advisory committee member shall make that disclosure to the other members of the committee, and shall not participate in reviewing or making recommendations on the grant application of that applicant.

(e) Except as provided in subdivision (f), the money in the Salmon and Steelhead Trout Restoration Account shall be allocated as follows:

(1) Not less than 65 percent of the money shall be used for salmon habitat protection and restoration projects. Of that amount, at least 75 percent shall be used for watershed (upslope) and riparian area protection and restoration activities. These activities may include, but are not limited to, grants to acquire and install fish screens to protect juvenile and adult salmon and steelhead trout from entrapment in water diversions, and grants to remove substandard culverts, stream crossings, and bridges that constitute barriers to spawning of salmon and steelhead trout and passage of fish. These funds may also be used for the acquisition, from willing sellers, of conservation easements for riparian buffer strips along coastal rivers and streams to protect salmon and steelhead trout habitat or for projects that protect and improve water quality and quantity.

(2) Up to 35 percent of the money shall be allocated for any of the uses listed in this paragraph.

(A) Watershed evaluation, assessment, and planning necessary to develop a site-specific and clearly prioritized plan to implement watershed improvements.

(B) Multiyear grants for watershed planning and project monitoring and evaluations.

(C) Watershed organization support and assistance.

(D) Project maintenance and monitoring after the project implementations are complete.

(E) Public school watershed and fishery conservation education projects.

(F) Private sector technical training and education project grants, including teaching private landowners about practical means of improving land and water management practices that, if implemented, will contribute to the protection and restoration of salmon stream habitat; scholarship funding for workshops and conferences that teach restoration techniques; operation of nonprofit restoration technical schools; and production of restoration training and education workshops and conferences.

(G) Fish and wildlife habitat improvements, as defined by Section 4793, and authorized under the California Forestry Incentive Program (CFIP).

(H) The salmon restoration project of the California Conservation Corps.

(I) The state's share of the federal Watershed Stewards Program.

(J) Monitoring projects that utilize protocols approved by the Department of Fish and Game and the National Marine Fisheries Service (NMFS) to provide baseline or trend data, or both, for anadromous fish populations or the physical and biological factors known to be limiting recovery.

(K) Artificial propagation programs designed to restore depleted stocks of salmonids that comply with the directives of the joint Department of Fish and Game and NMFS Hatchery Operations Review Committee.

(f) The advisory committee, in any fiscal year, may make a recommendation to the Department of Fish and Game to allocate money from the Salmon and Steelhead Trout Restoration Account for the purposes stated in subdivision (e), but in different percentage requirements than the 65/35 split stated in paragraphs (1) and (2) of that subdivision. Following that recommendation, the Director of Fish and Game may suspend the percentage requirements stated in paragraphs (1) and (2) of subdivision (e) for that fiscal year only.